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Wastewater Management Program Jamaica Bay, New York Volume II. Supplemental Data

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Prepared for

Municipal Environmental Research Lab, Edison, N J Storm and Combined Sewer Section

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September 1976

WASTEWATER MANAGEMENT PROGRAM
JAMAICA BAY, NEW YORK

Volume II
Supplemental Data

by

Donald L. Feuerstein
William O. Maddaus
H. F. Ludwig & Associates
Engineering-Science, Inc.
Berkeley, California 94710

Project No. 11023 FAO

Project Officer

Anthony N. Tafuri
Storm and Combined Sewer Section
Wastewater Research Division
Municipal Environmental Research Laboratory (Cincinnati)
Edison, New Jersey 08817

MUNICIPAL ENVIRONMENTAL RESEARCH LABORATORY
OFFICE OF RESEARCH AND DEVELOPMENT
U.S. ENVIRONMENTAL PROTECTION AGENCY
CINCINNATI, OHIO 45268

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This volume contains supplemental data on the water quality and sediment quality of Jamaica Bay not contained in Volume I, Summary Report.

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FOREWORD

The Environmental Protection Agency was created because of increasing public and government concern about the dangers of pollution to the health and welfare of the American people. Noxious air, foul water, and spoiled land are tragic testimony to the deterioration of our natural environment. The complexity of that environment and the interplay between its components require a concentrated and integrated attack on the problem.

Research and development is that necessary first step in problem solution and it involves defining the problem, measuring its impact, and searching for solutions. The Municipal Environmental Research Laboratory develops new and improved technology and systems for the prevention, treatment, and management of wastewater and solid and hazardous waste pollutant discharges from municipal and community sources, for the preservation and treatment of public drinking water supplies, and to minimize the adverse economic, social, health, and aesthetic effects of pollution. This publication is one of the products of that research; a most vital communications link between the researcher and the user community.

This particular effort demonstrated the cost-effectiveness of a wastewater management program, incorporating improved treatment of municipal sewage and control and treatment of combined sewer overflows, that would achieve bathing water quality throughout a major recreational resource adjacent to the largest population center in the United States.

Francis T. Mayo
Director
Municipal Environmental Research Laboratory

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APPENDIX D

WATER QUALITY DATA OF JAMAICA BAY

Table 38. TEMPERATURE OF WATERS OF JAMAICA BAY

(°C)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000[a]	-1.000	19.000	19.100	19.500
10/2/68	17.000	18.200	19.200	20.000	20.000
10/21/68	-1.000	-1.000	15.500	15.500	15.500
10/21/68	-1.000	-1.000	-1.000	15.900	15.700
12/14/68	8.000	8.000	7.500	5.000	3.200
12/14/68	8.000	6.000	5.500	3.500	2.900
2/19/69	-1.000	2.000	1.000	1.500	.500
2/19/69	-1.000	1.500	1.000	.500	.000
4/21/69	10.500	9.000	8.200	9.500	10.500
4/21/69	-1.000	-1.000	9.000	9.800	11.000
6/11/69	17.000	17.000	17.500	17.800	19.800
6/11/69	18.000	18.600	19.500	20.800	21.000
08/21/69	21.800	22.100	21.300	22.200	23.500
08/21/69	19.500	20.400	21.500	22.500	24.000
11/03/69	14.000	14.000	14.500	13.800	13.500
11/03/69	-1.000	13.000	13.000	13.000	13.000
12/17/69	3.000	-1.000	-1.000	5.000	3.500
12/17/69	5.000	4.000	4.500	3.200	2.900
03/02/70	3.900	3.900	3.500	2.700	2.400
03/02/70	3.200	2.700	2.400	2.000	1.600
04/29/70	8.900	7.800	10.200	10.200	10.400
04/29/70	7.400	9.300	10.000	11.000	12.200
07/01/70	16.100	16.300	17.600	18.800	20.000
07/01/70	16.200	17.900	18.700	21.000	22.000
08/17/70	21.000	21.500	22.500	23.000	23.500
08/17/70	22.500	22.500	23.500	25.000	26.000

[a]Indicates no data entry.

Table 38 (Continued). TEMPERATURE OF WATERS OF JAMAICA BAY

(°C)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	20.000	20.700	20.500	20.800	20.000
10/2/68	20.500	21.000	20.500	21.000	20.500
10/21/68	16.000	16.500	15.800	16.100	16.100
10/21/68	16.200	16.500	15.900	16.400	15.900
12/14/68	2.900	-1.000	3.100	2.200	3.600
12/14/68	3.000	2.900	3.000	2.900	-1.000
2/19/69	.000	-1.000	.500	.000	1.000
2/19/69	.000	.000	-1.000	.000	.500
4/21/69	11.800	11.800	11.800	12.000	11.000
4/21/69	10.700	11.500	11.200	11.500	11.000
6/11/69	20.500	20.900	20.000	20.300	19.700
6/11/69	21.200	22.500	22.500	21.500	21.100
08/21/69	24.300	25.100	24.900	25.200	24.100
08/21/69	24.400	24.400	23.300	23.900	23.000
11/03/69	13.000	13.400	14.000	13.500	14.000
11/03/69	12.500	12.500	13.500	12.900	13.200
12/17/69	3.000	3.800	3.500	4.500	4.000
12/17/69	3.200	3.000	3.200	3.700	4.000
03/02/70	2.000	1.800	2.000	2.000	2.200
03/02/70	1.600	1.600	1.700	2.000	2.000
04/29/70	11.200	11.600	13.400	12.000	11.500
04/29/70	12.400	11.600	13.000	11.500	11.800
07/01/70	19.600	21.300	21.500	21.400	20.500
07/01/70	22.000	21.800	22.500	21.900	20.700
08/17/70	25.000	25.500	25.000	26.000	25.000
08/17/70	26.000	26.500	26.500	26.500	25.500

Table 38 (Continued). TEMPERATURE OF WATERS OF JAMAICA BAY

(°C)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	20.000	20.200	20.500	20.000	20.500
10/2/68	21.000	21.000	21.000	21.000	20.600
10/21/68	15.600	15.700	15.900	15.800	14.800
10/21/68	16.500	16.200	16.600	16.800	15.100
12/14/68	3.200	3.200	3.000	2.800	3.800
12/14/68	3.500	3.000	3.200	3.000	3.000
2/19/69	.500	.500	.500	.000	.000
2/19/69	.500	-1.000	.000	.000	.500
4/21/69	11.000	12.000	11.500	12.400	11.900
4/21/69	11.000	12.000	11.500	12.000	12.000
6/11/69	19.900	20.800	20.200	19.900	20.400
6/11/69	21.800	22.500	22.000	22.500	21.500
08/21/69	24.100	24.800	24.300	25.500	23.800
08/21/69	23.000	23.000	23.800	24.100	23.000
11/03/69	14.000	15.000	13.500	13.500	14.500
11/03/69	13.500	13.800	14.000	13.500	13.500
12/17/69	3.500	5.000	4.500	4.500	3.000
12/17/69	-1.000	4.000	4.000	3.500	2.500
03/02/70	2.200	2.400	2.200	2.400	2.400
03/02/70	2.100	2.400	2.200	2.000	2.000
04/29/70	11.900	13.500	12.800	13.200	-1.000
04/29/70	12.200	12.500	12.000	11.500	13.500
07/01/70	20.800	20.900	20.900	21.500	21.400
07/01/70	21.000	21.500	20.800	21.500	22.400
08/17/70	25.000	25.500	25.500	26.000	-1.000
08/17/70	25.500	25.500	26.000	26.500	-1.000

Table 39. TRANSPARENCY OF WATERS OF JAMAICA BAY (SECCHI DISC)
(m)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	5.000	-1.000	3.000	2.500	3.000
10/23/68	-1.000	-1.000	-1.000	3.500	2.500
12/11/68	4.000	4.000	4.000	3.000	1.500
2/6/69	3.100	2.600	2.750	1.500	1.000
3/20/69	-1.000	-1.000	1.200	2.100	1.750
4/29/69	2.500	2.000	1.650	1.250	1.000
6/18/69	3.000	2.600	2.500	2.650	1.250
08/11/69	2.750	2.450	1.450	1.210	1.100
10/29/69	3.000	3.500	6.300	2.250	1.750
12/15/69	1.500	1.700	.750	1.800	2.100
02/12/70	-1.000	-1.000	-1.000	.750	1.000
04/22/70	3.000	2.500	2.500	1.500	.750
06/23/70	2.000	2.500	1.000	1.000	.750
08/24/70	5.000	2.000	1.750	1.250	1.250

Table 39(Continued). TRANSPARENCY OF WATERS OF JAMAICA BAY
(SECCHI DISC)
(m)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/[illegible]/68	2.000	3.000	2.500	1.500	2.000
10/23/68	2.500	4.000	2.000	1.000	2.500
12/11/68	1.500	2.500	1.750	1.750	2.500
2/6/69	.750	.800	.750	.750	.900
3/20/69	1.750	1.500	1.700	2.000	1.800
4/29/69	1.150	1.000	1.000	.900	1.100
6/18/69	.800	.850	.650	.600	.700
08/11/69	1.000	1.400	.750	.650	.950
10/29/69	1.750	2.000	1.250	.900	1.500
12/15/69	1.750	1.750	1.400	1.250	1.850
02/12/70	1.750	1.250	1.000	.750	1.250
04/22/70	1.000	.750	.500	.750	1.000
06/23/70	1.000	1.000	.500	.650	.600
08/24/70	1.250	1.250	1.000	.750	1.000

Table 39(Continued). TRANSPARENCY OF WATERS OF JAMAICA BAY
(SECCHI DISC)

(m)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	2.000	2.000	2.000	2.000	3.000
10/23/68	3.000	2.000	1.000	1.000	2.500
12/11/68	2.250	1.000	1.750	1.500	2.000
2/6/69	1.000	.750	.750	.750	.750
3/20/69	1.600	1.500	1.750	1.500	2.000
4/29/69	.950	.900	.950	.850	.900
6/18/69	.650	.500	.600	.550	.600
08/11/69	.800	.750	.750	.700	.950
10/29/69	1.500	1.400	1.250	1.000	1.750
12/15/69	1.750	1.500	1.500	1.250	1.500
02/12/70	1.500	1.000	1.000	1.250	1.000
04/22/70	1.000	.750	-1.000	.750	1.750
06/23/70	.500	.500	.600	.350	.500
08/24/70	1.000	.600	.750	.750	1.000

Table 40. TOTAL SUSPENDED SOLIDS OF WATERS OF JAMAICA BAY
(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	17.000	1.000	2.000
10/2/68	10.000	8.000	8.000	6.000	7.000
10/21/68	1.000	5.000	6.500	3.000	7.500
10/21/68	-1.000	-1.000	-1.000	5.500	9.000
12/14/68	1.800	2.500	5.000	1.400	1.800
12/14/68	7.000	5.100	4.500	3.800	13.600
2/19/69	-1.000	-1.000	42.800	22.400	20.000
2/19/69	-1.000	36.800	20.600	20.600	23.600
4/21/69	5.800	5.100	8.300	12.800	21.600
4/21/69	-1.000	-1.000	5.200	8.400	10.400
6/11/69	1.400	2.900	2.700	-1.000	4.400
6/11/69	2.400	10.500	2.900	6.000	8.100
08/21/69	1.700	3.400	1.600	3.400	3.700
08/21/69	1.400	3.400	3.000	4.000	3.600
11/03/69	5.000	19.800	15.400	5.400	4.600
11/03/69	-1.000	19.800	15.400	5.400	4.600
12/17/69	3.300	1.800	-1.000	2.800	4.700
12/17/69	3.300	1.800	3.300	2.800	4.700
03/02/70	5.800	4.300	3.300	7.500	7.800
03/02/70	5.800	4.300	3.300	7.500	7.800
04/29/70	6.100	6.500	9.000	9.000	10.400
04/29/70	6.100	6.500	9.000	9.000	10.400
07/01/70	12.200	18.000	20.400	22.600	28.000
07/01/70	12.300	18.000	20.400	22.600	28.000
08/17/70	5.600	4.800	7.200	9.800	10.000
08/17/70	5.600	4.800	7.200	9.800	10.000

Table 40 (Continued). TOTAL SUSPENDED SOLIDS OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	7.000	2.000	5.000	4.000	2.000
10/2/68	15.000	5.000	5.000	11.000	6.000
10/21/68	2.500	5.500	1.500	5.500	7.500
10/21/68	2.500	5.500	6.000	6.000	2.500
12/14/68	9.800	9.400	10.200	7.400	10.800
12/14/68	5.500	2.600	-1.000	2.700	4.500
2/19/69	19.200	14.400	38.400	10.200	21.000
2/19/69	13.400	22.800	17.000	8.000	15.600
4/21/69	23.700	6.000	22.200	14.900	22.800
4/21/69	8.900	7.500	10.000	20.800	9.400
6/11/69	6.900	4.700	3.600	5.400	7.300
6/11/69	5.100	-1.000	8.200	4.700	7.600
08/21/69	3.700	2.300	3.600	2.800	7.400
08/21/69	3.000	2.800	3.600	3.700	4.100
11/03/69	3.400	4.600	7.400	4.400	3.600
11/03/69	3.400	4.600	7.400	4.400	3.600
12/17/69	4.300	3.700	5.600	5.800	4.000
12/17/69	4.300	3.700	5.600	5.800	4.000
03/02/70	9.000	19.400	11.600	10.600	10.000
03/02/70	9.000	10.400	11.600	10.600	10.000
04/29/70	9.900	8.100	19.100	10.500	9.700
04/29/70	9.900	8.100	10.100	10.500	9.700
07/01/70	18.800	21.000	9.600	9.600	11.200
07/01/70	18.800	21.000	9.600	9.600	11.200
08/17/70	10.200	5.800	11.400	12.200	5.600
08/17/70	10.200	5.800	11.400	12.200	5.600

Table 40(Continued). TOTAL SUSPENDED SOLIDS OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	6.000	1.000	6.000	6.000	5.000
10/2/68	9.000	8.000	6.000	17.000	9.000
10/21/68	8.000	4.000	8.000	9.500	16.500
10/21/68	5.000	14.000	5.500	6.500	16.500
12/14/68	2.000	.800	.700	10.600	6.500
12/14/68	15.200	12.700	9.200	12.100	13.400
2/19/69	18.600	21.600	16.200	20.200	31.400
2/19/69	19.400	17.400	14.900	12.000	28.800
4/21/69	9.300	22.900	26.800	24.200	11.700
4/21/69	25.400	35.400	8.800	13.400	16.000
6/11/69	6.300	7.100	10.100	8.300	9.300
6/11/69	10.900	8.100	6.700	17.100	9.700
08/21/69	3.600	5.000	3.300	3.700	5.300
08/21/69	3.900	4.000	3.100	3.000	4.100
11/03/69	4.000	4.800	5.400	5.400	4.400
11/03/69	4.000	4.800	5.400	5.400	4.400
12/17/69	5.700	4.600	3.700	4.800	5.400
12/17/69	5.700	4.600	3.700	4.800	5.400
03/02/70	8.600	11.800	10.800	10.600	22.600
03/02/70	8.600	11.800	10.800	10.600	22.600
04/29/70	11.000	12.200	24.700	9.400	-1.000
04/29/70	11.000	12.200	24.700	9.400	16.000
07/01/70	5.400	16.400	23.400	9.600	145.200
07/01/70	5.400	16.400	23.400	9.600	145.200
08/17/70	10.600	8.000	8.400	10.600	-1.000
08/17/70	10.600	8.000	8.400	10.600	-1.000

Table 41. VOLATILE SUSPENDED SOLIDS OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	10.000	1.000	-1.000
10/2/68	6.000	5.000	1.000	2.000	3.000
10/21/68	1.000	4.500	5.000	2.500	7.500
10/21/68	-1.000	-1.000	-1.000	-1.000	5.000
12/14/68	.600	1.000	1.000	1.000	1.400
12/14/68	1.600	1.400	1.500	1.200	2.500
2/19/69	-1.000	-1.000	11.600	7.200	7.400
2/19/69	-1.000	8.600	7.400	9.000	9.400
4/21/69	1.500	1.500	1.800	3.100	6.700
4/21/69	-1.000	-1.000	1.800	3.700	5.900
6/11/69	.900	.400	1.600	-1.000	4.100
6/11/69	-1.000	10.300	2.000	2.900	3.800
08/21/69	1.300	1.700	1.600	1.700	2.400
08/21/69	1.100	1.600	1.400	2.600	2.300
11/03/69	2.000	6.600	4.600	3.600	4.400
11/03/69	-1.000	6.600	4.600	3.600	4.400
12/17/69	1.100	1.800	-1.000	1.000	3.000
12/17/69	1.100	1.800	2.100	1.000	3.000
03/02/70	3.000	2.000	1.300	3.400	4.600
03/02/70	3.000	2.000	1.300	3.400	4.600
04/29/70	1.900	2.600	3.700	4.200	5.700
04/29/70	1.900	2.600	3.700	4.200	5.700
07/01/70	9.800	3.200	8.400	6.800	16.000
07/01/70	9.800	3.200	8.400	6.800	16.000
08/17/70	1.000	-1.000	1.000	2.800	2.800
08/17/70	1.000	-1.000	1.000	2.800	2.800

Table 41(Continued). VOLATILE SUSPENDED SOLIDS OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	1.000	3.000	1.000	1.000	2.000
10/2/68	4.000	2.000	1.000	5.000	3.000
10/21/68	2.000	2.500	-1.000	5.000	6.000
10/21/68	-1.000	-1.000	-1.000	-1.000	.000
12/14/68	1.300	1.000	1.800	1.200	1.600
12/14/68	1.300	1.100	-1.000	1.400	1.400
2/19/69	10.000	8.200	14.000	7.600	7.800
2/19/69	7.000	10.400	8.800	6.600	6.800
4/21/69	9.100	3.200	9.200	6.500	5.400
4/21/69	4.000	4.100	5.700	6.600	4.200
6/11/69	3.800	2.300	1.800	2.100	4.500
6/11/69	2.100	-1.000	2.800	1.700	3.800
08/21/69	2.100	1.400	2.900	2.700	2.400
08/21/69	1.900	1.700	2.900	2.300	2.300
11/03/69	3.400	4.400	3.600	3.000	1.800
11/03/69	3.400	4.400	3.600	3.000	1.800
12/17/69	1.400	1.000	3.000	3.700	1.600
12/17/69	1.400	1.000	3.000	3.700	1.600
03/02/70	4.000	5.000	6.400	6.800	4.600
03/02/70	4.000	5.000	6.400	6.800	4.600
04/29/70	5.600	5.100	7.100	7.100	5.500
04/29/70	5.600	5.100	7.100	7.100	5.500
07/01/70	8.600	6.600	10.600	10.000	8.600
07/01/70	8.600	6.600	10.600	10.000	8.600
08/17/70	2.200	4.200	6.400	7.600	.800
08/17/70	2.200	4.200	6.400	7.600	.800

Table 41 (Continued). VOLATILE SUSPENDED SOLIDS OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	1.000	1.000	3.000	3.000	4.000
10/2/68	3.000	4.000	5.000	8.000	3.000
10/21/68	6.500	1.500	5.500	5.500	3.500
10/21/68	-1.000	-1.000	-1.000	-1.000	4.000
12/14/68	.700	.800	1.000	2.000	1.000
12/14/68	1.700	2.400	2.700	2.700	2.900
2/19/69	8.000	9.200	5.000	11.200	12.000
2/19/69	8.800	9.400	13.200	7.000	11.600
4/21/69	4.300	7.100	7.900	9.500	6.200
4/21/69	7.200	9.800	4.900	8.200	7.900
6/11/69	2.700	3.800	5.700	4.000	4.400
6/11/69	6.000	3.600	2.900	1.100	4.300
08/21/69	2.100	3.900	1.900	2.600	2.900
08/21/69	2.400	2.600	1.900	2.400	2.300
11/03/69	2.200	3.400	3.200	4.000	4.200
11/03/69	2.200	3.400	3.200	4.000	4.200
12/17/69	1.800	1.100	1.400	2.000	2.100
12/17/69	1.800	1.100	1.400	2.000	2.100
03/02/70	2.400	7.000	3.000	5.000	10.800
03/02/70	2.400	7.000	3.000	5.000	10.800
04/29/70	6.700	8.200	12.700	6.400	-1.000
04/29/70	6.700	8.200	12.700	6.400	9.000
07/01/70	1.400	6.400	21.400	1.000	31.600
07/01/70	1.400	6.400	21.400	1.000	31.600
08/17/70	6.800	6.800	4.800	5.800	-1.000
08/17/70	6.800	6.800	4.800	5.800	-1.000

Table 42. pH OF WATERS OF JAMAICA BAY

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	8.100	7.800	7.900	7.800	7.600
10/21/68	-1.000	-1.000	-1.000	7.600	7.700
12/14/68	7.920	7.920	7.920	7.800	7.770
12/14/68	7.900	7.840	7.780	7.700	7.600
2/19/69	-1.000	7.950	7.900	7.890	8.120
2/19/69	-1.000	7.950	8.100	8.210	8.280
4/21/69	8.020	8.060	7.960	8.050	8.300
4/21/69	-1.000	-1.000	7.990	8.340	8.460
6/11/69	7.580	7.820	7.990	7.480	7.530
6/11/69	7.800	7.610	7.470	7.550	7.650
08/21/69	8.050	8.050	8.000	7.700	7.250
08/21/69	8.000	7.600	7.450	7.500	7.500
11/03/69	7.950	7.900	7.900	7.800	6.600
11/03/69	-1.000	7.850	7.650	7.500	7.500
12/17/69	7.900	-1.000	-1.000	7.800	7.800
12/17/69	7.650	7.550	7.600	7.700	7.650
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	8.000	8.000	8.000	7.950	7.920
08/17/70	8.050	8.000	8.000	7.940	7.800

Table 42(Continued). pH OF WATERS OF JAMAICA BAY

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	7.500	7.500	7.400	7.400	7.600
10/21/68	7.300	7.600	7.700	7.700	7.600
12/14/68	7.740	7.700	7.650	7.630	7.750
12/14/68	7.510	7.600	7.450	7.510	7.670
2/19/69	8.280	8.310	8.280	8.220	8.060
2/19/69	8.320	8.310	8.370	8.270	8.190
4/21/69	8.500	8.380	8.600	8.400	8.370
4/21/69	8.410	8.400	8.380	8.220	8.320
6/11/69	7.580	7.500	7.500	7.370	7.550
6/11/69	7.620	7.420	7.800	7.350	7.430
08/21/69	7.550	7.400	7.550	7.000	7.600
08/21/69	7.400	7.250	7.450	7.200	7.350
11/03/69	7.600	7.500	7.400	7.400	7.650
11/03/69	7.450	7.500	7.300	7.300	7.600
12/17/69	7.800	7.700	7.700	7.700	7.800
12/17/69	7.600	7.600	7.600	7.600	7.650
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	7.800	7.700	7.680	7.780	8.880
08/17/70	7.700	7.680	7.840	7.600	7.590

Table 42 (Continued). pH OF WATERS OF JAMAICA BAY

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	7.500	7.500	7.500	7.400	7.400
10/21/68	7.600	7.500	7.500	7.500	7.700
12/14/68	7.750	7.700	7.690	7.550	7.780
12/14/68	7.600	7.550	7.450	7.520	7.600
2/19/69	7.840	8.180	8.070	8.250	8.200
2/19/69	8.210	8.190	8.240	8.220	8.220
4/21/69	8.350	8.400	8.350	8.400	8.580
4/21/69	8.380	8.030	8.360	8.200	8.530
6/11/69	7.450	7.480	7.410	7.300	7.720
6/11/69	7.530	7.350	7.400	7.200	7.650
08/21/69	7.400	7.500	7.250	7.300	7.600
08/21/69	7.350	7.400	7.350	7.300	7.400
11/03/69	7.650	7.500	7.500	7.400	7.400
11/03/69	7.500	7.350	7.400	7.400	7.350
12/17/69	7.800	7.700	7.750	7.700	7.800
12/17/69	7.650	7.600	7.600	7.600	7.700
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	7.820	7.770	7.700	7.760	-1.000
08/17/70	7.680	7.700	7.700	7.650	-1.000

Table 43. CHLOROSITY OF WATERS OF JAMAICA BAY

(g/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	17.400	16.400	16.000
10/2/68	17.900	17.200	16.500	15.700	15.200
10/21/68	16.900	17.200	17.100	16.900	16.200
10/21/68	-1.000	-1.000	-1.000	15.000	15.000
12/14/68	18.030	17.640	17.640	14.900	14.210
12/14/68	17.740	16.460	15.090	14.110	13.910
2/19/69	-1.000	18.360	18.360	17.440	16.040
2/19/69	-1.000	17.680	16.240	15.720	14.920
4/21/69	17.100	16.650	15.800	14.280	14.200
4/21/69	-1.000	-1.000	14.250	14.060	13.950
6/11/69	17.480	17.530	17.240	15.930	15.520
6/11/69	17.480	16.510	16.050	15.480	14.750
08/21/69	17.370	17.200	17.680	16.230	15.340
08/21/69	17.830	16.450	16.200	15.160	14.350
11/03/69	18.340	18.240	18.240	17.270	16.140
11/03/69	-1.000	18.400	17.270	16.140	15.980
12/17/69	18.230	-1.000	-1.000	15.810	18.230
12/17/69	18.070	16.780	15.490	15.010	14.680
03/02/70	17.800	17.700	17.200	14.900	14.500
03/02/70	17.500	15.500	14.800	14.500	14.300
04/29/70	17.000	17.200	16.800	14.400	14.400
04/29/70	17.200	15.500	14.700	13.900	15.000
07/01/70	17.000	16.100	15.400	13.200	15.300
07/01/70	17.000	17.200	15.700	14.800	14.500
08/17/70	18.000	17.500	17.500	16.700	16.400
08/17/70	17.500	17.000	16.400	15.900	15.300

Table 43 (Continued). CHLOROSITY OF WATERS OF JAMAICA BAY

(g/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	15.600	15.600	14.900	14.600	15.800
10/2/68	15.000	15.000	15.100	14.600	15.500
10/21/68	15.400	15.100	14.800	14.300	15.500
10/21/68	15.000	14.900	14.500	14.300	15.100
12/14/68	13.720	13.330	13.520	13.330	14.110
12/14/68	13.720	13.720	13.130	13.130	14.110
2/19/69	15.200	14.760	14.800	14.480	16.560
2/19/69	14.800	14.920	14.520	13.560	15.920
4/21/69	13.800	14.500	13.380	13.700	14.030
4/21/69	13.650	13.800	13.500	13.400	13.780
6/11/69	14.660	14.540	14.220	14.220	15.520
6/11/69	15.320	14.540	14.050	14.050	14.790
08/21/69	14.450	13.900	13.640	13.640	16.050
08/21/69	13.860	14.030	13.200	13.400	15.150
11/03/69	15.980	15.490	15.490	15.330	16.780
11/03/69	15.330	15.820	15.330	15.170	16.620
12/17/69	14.520	14.520	14.520	14.040	15.490
12/17/69	14.360	14.520	14.200	14.040	15.170
03/02/70	15.800	13.700	13.400	13.400	13.900
03/02/70	13.900	13.600	13.600	13.400	14.300
04/29/70	14.000	13.400	13.200	12.900	14.200
04/29/70	13.300	13.100	12.800	12.900	13.700
07/01/70	14.500	14.100	13.500	13.500	14.900
07/01/70	13.800	14.500	13.500	13.800	15.100
08/17/70	15.600	15.400	15.300	14.800	15.800
08/17/70	15.300	15.300	14.800	14.600	15.300

Table 43(Continued). CHLOROSITY OF WATERS OF JAMAICA BAY

(g/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	15.600	15.600	15.100	14.500	15.600
10/2/68	14.800	14.700	14.600	14.600	15.200
10/21/68	15.300	15.300	14.800	14.600	14.900
10/21/68	15.700	14.400	16.800	15.300	15.000
12/14/68	14.310	13.720	13.720	13.330	14.110
12/14/68	13.720	13.520	13.130	13.330	13.520
2/19/69	16.240	15.840	15.760	15.080	15.360
2/19/69	15.600	14.640	14.760	14.800	15.480
4/21/69	14.120	13.800	13.720	13.300	13.620
4/21/69	13.650	12.250	13.350	12.560	13.750
6/11/69	15.110	14.750	14.620	14.090	14.790
6/11/69	14.620	14.260	14.090	13.930	14.500
08/21/69	15.350	14.800	14.920	14.050	14.300
08/21/69	14.600	24.350	14.420	13.850	14.100
11/03/69	16.620	16.300	15.330	15.170	15.170
11/03/69	19.040	15.330	15.590	15.170	14.170
12/17/69	15.810	15.010	14.680	14.520	14.840
12/17/69	18.070	14.520	14.360	13.880	15.010
03/02/70	14.500	14.000	13.700	13.400	14.200
03/02/70	13.900	13.600	13.600	13.100	14.000
04/29/70	13.900	13.600	13.300	12.900	-1.000
04/29/70	13.300	12.800	13.400	13.100	13.100
07/01/70	14.800	13.800	14.500	14.000	14.300
07/01/70	14.800	15.500	14.100	13.800	14.500
08/17/70	15.600	15.300	15.100	-1.000	-1.000
08/17/70	14.800	14.600	14.900	14.500	-1.000

Table 44. DISSOLVED OXYGEN OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	5.400	4.700	5.300
10/2/68	3.500	4.400	5.000	5.800	4.600
10/21/68	8.400	7.000	7.400	6.900	6.600
10/21/68	-1.000	-1.000	-1.000	6.800	6.800
12/14/68	9.000	9.600	8.800	9.400	10.500
12/14/68	9.200	9.400	9.400	10.800	10.600
2/19/69	-1.000	10.000	11.300	11.300	12.700
2/19/69	-1.000	11.100	12.150	12.900	13.600
4/21/69	9.800	10.500	10.150	9.850	10.800
4/21/69	-1.000	-1.000	9.320	11.700	12.700
6/11/69	7.100	7.700	8.850	6.650	5.800
6/11/69	8.000	7.050	6.650	5.850	6.500
08/21/69	7.650	7.600	7.400	5.250	5.600
08/21/69	7.000	4.950	4.750	4.550	4.700
11/03/69	8.700	7.300	7.650	7.100	7.950
11/03/69	-1.000	6.950	7.800	7.700	7.500
12/17/69	7.950	-1.000	-1.000	6.650	9.200
12/17/69	9.000	9.250	9.650	9.950	9.950
03/02/70	10.200	10.250	10.550	12.500	13.800
03/02/70	10.600	11.300	13.550	13.450	15.400
04/29/70	9.000	9.800	10.900	11.300	11.550
04/29/70	9.750	9.850	10.650	11.400	11.900
07/01/70	7.050	6.600	7.200	6.300	6.700
07/01/70	6.500	7.150	7.150	7.650	9.950
08/17/70	7.000	7.150	6.850	5.950	5.300
08/17/70	6.900	6.300	5.900	5.500	6.500

Table 44(Continued). DISSOLVED OXYGEN OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	6.800	5.000	5.500	5.400	5.000
10/2/68	5.300	5.000	4.800	4.300	4.200
10/21/68	6.100	5.600	5.700	5.500	6.100
10/21/68	6.100	5.900	6.500	6.500	5.800
12/14/68	10.600	11.100	12.300	9.900	10.600
12/14/68	10.600	10.400	9.900	9.700	10.200
2/19/69	13.650	14.400	13.800	13.900	11.950
2/19/69	14.600	13.800	14.300	13.950	13.000
4/21/69	12.400	10.750	12.300	8.000	10.900
4/21/69	11.850	10.800	10.400	8.100	11.650
6/11/69	5.250	4.450	4.200	2.550	5.900
6/11/69	6.200	3.700	6.400	2.450	5.150
08/21/69	5.200	3.200	5.800	.900	4.450
08/21/69	4.500	3.750	4.300	1.400	3.750
11/03/69	7.450	7.100	6.150	5.950	7.650
11/03/69	7.350	7.300	6.150	6.000	7.650
12/17/69	9.500	9.700	10.150	9.300	7.000
12/17/69	.850	9.450	8.950	9.000	9.500
03/02/70	15.700	15.550	17.000	13.450	15.900
03/02/70	15.650	13.450	14.200	13.850	14.400
04/29/70	12.000	9.250	12.300	7.900	12.950
04/29/70	11.900	9.900	11.400	5.950	11.600
07/01/70	6.350	6.800	6.150	5.200	7.000
07/01/70	7.700	7.050	7.200	6.350	6.700
08/17/70	4.600	4.150	3.700	3.400	5.000
08/17/70	4.500	5.200	6.300	3.300	4.000

Table 44(Continued). DISSOLVED OXYGEN OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	5.600	5.500	5.100	7.000	6.700
10/2/68	4.200	4.800	4.300	5.000	5.300
10/21/68	6.100	5.800	5.200	4.500	5.800
10/21/68	6.000	5.200	4.900	5.500	7.000
12/14/68	10.300	10.200	9.400	10.100	10.400
12/14/68	9.700	9.400	9.400	10.000	9.500
2/19/69	11.350	12.950	12.850	12.100	13.750
2/19/69	13.250	13.600	13.900	13.600	13.750
4/21/69	10.600	10.300	9.450	8.150	13.700
4/21/69	11.700	9.700	10.900	10.100	13.100
6/11/69	6.000	4.900	4.600	3.100	6.500
6/11/69	5.150	3.500	2.600	1.750	6.600
08/21/69	4.300	4.400	3.300	2.000	5.850
08/21/69	3.100	2.900	2.300	2.000	3.200
11/03/69	7.250	7.400	6.400	6.200	7.150
11/03/69	7.200	6.850	6.500	6.050	6.850
12/17/69	6.650	8.000	8.000	8.900	10.000
12/17/69	9.350	8.700	8.700	8.650	9.950
03/02/70	14.600	16.000	14.850	15.100	17.500
03/02/70	14.600	14.850	14.350	11.400	16.600
04/29/70	11.700	14.100	12.400	11.000	-1.000
04/29/70	11.450	10.700	8.500	6.700	12.000
07/01/70	6.200	5.500	4.950	4.100	6.600
07/01/70	5.500	5.600	4.300	3.600	10.100
08/17/70	4.800	4.200	3.750	3.200	-1.000
08/17/70	3.550	3.000	3.050	2.800	-1.000

Table 45. DISSOLVED OXYGEN OF WATERS OF JAMAICA BAY

(% saturation)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	74.000	64.000	73.000
10/2/68	46.000	60.000	69.000	80.000	63.000
10/21/68	-1.000	-1.000	88.700	82.500	78.300
10/21/68	-1.000	-1.000	-1.000	79.900	79.700
12/14/68	93.400	99.100	85.200	87.700	93.000
12/14/68	95.100	91.300	88.800	96.100	92.900
2/19/69	-1.000	90.700	100.300	100.100	107.800
2/19/69	-1.000	98.700	104.700	109.000	112.300
4/21/69	106.000	109.300	102.900	100.700	112.700
4/21/69	-1.000	-1.000	94.200	120.100	133.600
6/11/69	88.200	95.700	110.300	81.800	73.700
6/11/69	100.800	88.700	84.400	76.000	84.200
08/21/69	103.500	103.100	99.500	70.500	76.400
08/21/69	90.000	64.400	63.000	60.700	63.900
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	93.900	100.200	-1.000	-1.000	-1.000
04/29/70	98.900	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 45 (Continued). DISSOLVED OXYGEN OF WATERS OF JAMAICA BAY

(% saturation)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	80.000	70.000	76.000	74.000	80.000
10/2/68	73.000	70.000	66.000	59.000	58.000
10/21/68	72.100	66.700	66.700	64.300	72.400
10/21/68	72.100	70.100	75.900	76.600	68.200
12/14/68	92.700	-1.000	107.800	84.600	94.500
12/14/68	92.900	91.000	86.100	84.100	-1.000
2/19/69	113.100	-1.000	115.200	114.000	103.500
2/19/69	120.300	113.900	-1.000	112.900	110.100
4/21/69	132.500	115.700	130.800	85.700	114.800
4/21/69	123.500	114.600	109.400	85.600	122.300
6/11/69	67.100	57.400	52.700	32.300	74.900
6/11/69	81.000	49.100	84.400	31.700	66.300
08/21/69	71.100	44.000	79.200	12.400	61.800
08/21/69	61.200	51.100	57.100	18.800	50.800
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 45 (Continued). DISSOLVED OXYGEN OF WATERS OF JAMAICA BAY

(% saturation)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	77.000	76.000	70.000	95.000	93.000
10/8/68	58.000	66.000	59.000	69.000	73.000
10/21/68	71.700	68.200	61.000	52.600	67.000
10/21/68	72.000	61.000	59.800	66.200	81.500
12/14/68	91.400	89.800	82.400	87.600	93.100
12/14/68	95.900	82.200	82.100	87.200	83.100
2/19/69	96.600	109.600	108.600	100.100	114.200
2/19/69	111.800	-1.000	114.500	112.100	115.800
4/21/69	111.700	110.500	100.200	87.700	146.400
4/21/69	122.700	102.400	115.200	106.900	140.500
6/11/69	76.000	63.100	58.300	38.800	82.900
6/11/69	67.300	46.300	33.900	23.000	85.800
08/21/69	59.200	60.800	45.300	27.900	79.300
08/21/69	41.700	38.800	31.200	27.100	42.700
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 46. BIOCHEMICAL OXYGEN DEMAND OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	1.400	1.100	1.100
10/2/68	1.600	2.200	4.600	1.300	.500
10/21/68	1.000	.600	.700	.600	.800
10/21/68	-1.000	-1.000	-1.000	1.200	1.200
12/14/68	.400	1.400	.400	1.100	2.600
12/14/68	.800	1.500	1.600	2.800	2.400
2/19/69	-1.000	.900	2.700	2.800	4.550
2/19/69	-1.000	2.150	3.450	5.200	6.550
4/21/69	2.100	3.100	2.750	2.750	3.550
4/21/69	-1.000	-1.000	2.420	4.700	6.400
6/11/69	.950	1.850	1.200	1.000	1.670
6/11/69	2.270	1.200	1.480	1.700	2.900
08/21/69	1.650	1.400	1.800	1.450	2.680
08/21/69	1.100	1.200	1.650	3.100	2.000
11/03/69	1.000	.050	.750	.600	2.000
11/03/69	-1.000	.300	.650	1.400	1.350
12/17/69	.000	-1.000	-1.000	.000	4.250
12/17/69	1.050	1.950	2.600	2.600	1.400
03/02/70	3.950	2.850	1.900	3.700	4.600
03/02/70	2.200	2.900	4.100	4.550	6.800
04/29/70	1.950	1.800	2.450	3.100	5.050
04/29/70	2.450	2.800	2.750	4.900	7.250
07/01/70	2.650	.600	1.400	1.500	1.900
07/01/70	1.800	2.350	2.050	2.950	4.250
08/17/70	1.300	1.550	1.050	1.450	1.550
08/17/70	1.050	1.150	1.900	2.600	3.900

Table 46(Continued). BIOCHEMICAL OXYGEN DEMAND OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	1.400	.800	1.200	2.700	1.400
10/2/68	1.600	1.400	.600	2.000	1.400
10/21/68	.800	.800	1.300	2.500	.700
10/21/68	1.000	.900	1.500	-1.000	-1.000
12/14/68	2.600	3.200	5.200	3.400	3.700
12/14/68	2.600	2.500	3.100	2.800	2.500
2/19/69	5.050	5.000	7.150	6.100	3.350
2/19/69	6.300	6.350	7.750	6.900	4.600
4/21/69	7.250	5.050	8.950	7.000	4.200
4/21/69	7.350	5.300	7.300	7.300	5.750
6/11/69	2.150	1.750	2.700	2.450	1.900
6/11/69	2.600	1.700	3.300	1.950	2.140
08/21/69	2.300	1.350	3.700	.400	1.500
08/21/69	2.000	1.750	3.750	.900	2.150
11/03/69	1.450	1.050	2.950	2.100	1.250
11/03/69	2.050	1.400	3.600	2.850	1.250
12/17/69	3.150	3.950	3.700	5.000	.600
12/17/69	2.150	2.950	3.750	5.350	4.440
03/02/70	9.600	6.300	7.900	7.000	6.450
03/02/70	6.750	4.850	5.100	5.750	6.500
04/29/70	6.000	6.150	8.950	6.750	5.950
04/29/70	7.850	5.350	11.100	5.400	6.150
07/01/70	1.850	3.200	4.250	3.600	3.500
07/01/70	3.100	5.450	1.400	4.150	3.000
08/17/70	2.400	1.850	1.900	3.000	2.020
08/17/70	1.700	1.900	3.950	3.150	2.750

Table 46 (Continued). BIOCHEMICAL OXYGEN DEMAND OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	1.500	1.200	1.800	3.900	2.200
10/2/68	1.000	1.600	.600	1.000	1.600
10/21/68	.900	1.200	2.000	1.100	3.000
10/21/68	2.200	1.900	1.600	2.000	1.900
12/14/68	2.800	2.900	2.600	4.200	2.500
12/14/68	3.200	4.000	4.100	3.900	2.900
2/19/69	2.300	4.050	3.750	3.800	6.250
2/19/69	5.450	6.800	7.000	6.900	6.050
4/21/69	4.550	6.500	4.850	6.930	9.300
4/21/69	6.200	9.700	8.800	10.100	9.100
6/11/69	2.650	2.900	2.850	3.000	2.900
6/11/69	2.650	2.750	1.980	-1.000	2.350
08/21/69	2.700	3.900	1.500	1.500	3.750
08/21/69	2.600	2.400	1.800	1.500	2.700
11/03/69	.850	2.100	.120	2.100	2.200
11/03/69	2.000	2.450	2.250	2.350	2.600
12/17/69	.000	2.000	2.950	3.600	2.450
12/17/69	2.150	3.550	3.800	3.850	3.950
03/02/70	11.450	7.450	7.900	8.100	8.450
03/02/70	7.000	8.450	8.350	6.100	9.600
04/29/70	7.700	8.750	8.250	9.250	-1.000
04/29/70	8.350	8.800	7.750	6.100	9.450
07/01/70	3.600	3.700	3.300	4.000	4.600
07/01/70	2.800	3.400	3.100	3.000	5.400
08/17/70	2.600	3.600	3.250	3.100	-1.000
08/17/70	3.200	2.800	2.800	2.800	-1.000

Table 47. ORGANIC NITROGEN OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	-1.000	.420	-1.000	.380	.210
10/21/68	-1.000	-1.000	-1.000	.980	.930
12/14/68	-1.000	.190	-1.000	.500	.250
12/14/68	-1.000	-1.000	.300	.190	-1.000
2/19/69	-1.000	.240	.390	.380	.780
2/19/69	-1.000	.610	.730	1.120	1.370
4/21/69	.060	.190	.210	.290	.610
4/21/69	-1.000	-1.000	.390	.650	.770
6/11/69	.131	.195	.169	.202	.331
6/11/69	.288	.320	.325	.405	.725
08/21/69	.250	.250	.210	.430	.450
08/21/69	.350	.290	.330	.460	.610
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	.010	.501	-1.000	-1.000	.100
12/17/69	.010	.501	.440	-1.000	.100
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	.730	.450	.380	1.220	.950
04/29/70	.730	.450	.380	1.220	.950
07/01/70	-1.000	.560	.665	.740	.630
07/01/70	-1.000	.560	.665	.740	.630
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 47 (Continued). ORGANIC NITROGEN OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.480	.650	.310	.380	-1.000
10/21/68	.360	-1.000	.660	.810	.130
12/14/68	.120	.370	.310	-1.000	.190
12/14/68	-1.000	-1.000	.130	1.060	.380
2/19/69	1.090	1.010	1.240	1.230	.730
2/19/69	.970	1.210	1.340	1.120	.880
4/21/69	.420	.640	1.400	1.300	.430
4/21/69	1.060	.880	1.170	1.090	.800
6/11/69	.510	.545	.660	.680	.485
6/11/69	.655	.645	.970	.710	.590
08/21/69	.570	.550	.660	.530	.490
08/21/69	.660	.580	.720	.680	.490
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	.100	.140	.390	.500	.260
12/17/69	.100	.140	.390	.500	.260
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	1.570	1.360	2.520	1.890	1.500
04/29/70	1.570	1.360	2.520	1.890	1.500
07/01/70	1.050	1.020	1.850	1.310	.660
07/01/70	1.050	1.020	1.850	1.310	.660
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 47 (Continued). ORGANIC NITROGEN OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.320	.480	.540	.500	.380
10/21/68	.530	-1.000	.090	.910	-1.000
12/14/68	.570	.130	1.120	.500	.310
12/14/68	-1.000	.120	.380	.310	-1.000
2/19/69	.850	.910	1.030	.290	.310
2/19/69	.940	1.150	1.210	1.210	1.240
4/21/69	.670	.900	.870	1.380	1.280
4/21/69	.880	1.280	1.150	1.350	1.000
6/11/69	.545	.620	.570	.670	.620
6/11/69	.740	.600	.730	.770	.660
08/21/69	.510	.590	.500	.630	.600
08/21/69	.550	.570	.510	.610	.660
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	.210	.660	-1.000	.320	-1.000
12/17/69	.210	.660	-1.000	.320	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	1.010	1.100	1.470	2.290	-1.000
04/29/70	1.010	1.100	1.470	2.290	2.100
07/01/70	1.120	1.050	1.710	1.770	1.450
07/01/70	1.120	1.050	1.710	1.770	1.450
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 48. KJELDAHL NITROGEN OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	-1.000	.430	-1.000	.580	.790
10/21/68	-1.000	-1.000	-1.000	2.060	2.130
12/14/68	.250	.250	.130	.940	1.310
12/14/68	.250	-1.000	.800	1.250	.810
2/19/69	-1.000	.350	.580	.590	1.140
2/19/69	-1.000	.770	1.070	1.570	2.040
4/21/69	.480	.250	.340	.610	.960
4/21/69	-1.000	-1.000	1.510	1.770	1.570
6/11/69	.250	.214	.217	.346	.776
6/11/69	.294	.480	.580	.885	1.370
08/21/69	.260	.270	.260	.600	.910
08/21/69	.520	.610	.740	1.180	1.470
11/03/69	.390	.440	.600	.990	1.430
11/03/69	-1.000	.440	.600	.990	1.430
12/17/69	.310	.880	-1.000	.490	1.220
12/17/69	.310	.880	.940	.490	1.220
03/02/70	.700	.140	1.120	2.170	2.030
03/02/70	.700	.140	1.120	2.170	2.030
04/29/70	.770	.490	.420	1.260	1.190
04/29/70	.770	.490	.420	1.260	1.190
07/01/70	.315	.595	.700	1.120	.945
07/01/70	.315	.595	.700	1.120	.045
08/17/70	.400	.450	.460	.900	.650
08/17/70	.400	.450	.460	.900	.650

Table .8 (Continued). KJELDAHL NITROGEN OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	1.560	1.850	1.890	2.560	-1.000
10/21/68	1.560	-1.000	2.360	2.760	1.330
12/14/68	1.500	1.810	2.560	2.750	1.310
12/14/68	1.130	1.000	2.190	2.940	1.380
2/19/69	1.640	1.600	1.980	1.500	.820
2/19/69	1.570	1.830	2.240	2.210	1.330
4/21/69	.800	1.060	2.100	2.420	.770
4/21/69	1.550	1.240	2.000	2.310	1.200
6/11/69	1.150	1.190	1.760	2.230	.970
6/11/69	1.230	1.170	1.930	1.950	1.200
08/21/69	1.150	1.230	1.630	2.250	.870
08/21/69	1.540	1.290	2.240	2.410	1.160
11/03/69	1.610	1.340	1.950	1.890	1.160
11/03/69	1.610	1.340	1.950	1.890	1.160
12/17/69	1.400	1.580	2.140	2.620	1.260
12/17/69	1.400	1.580	2.140	2.630	1.260
03/02/70	.280	.980	3.360	2.800	.840
03/02/70	.280	.980	3.360	2.800	.840
04/29/70	1.610	1.400	2.660	1.960	1.540
04/29/70	1.610	1.400	2.660	1.960	1.540
07/01/70	1.470	1.400	2.800	2.310	1.190
07/01/70	1.470	1.400	2.800	2.310	1.190
08/17/70	.700	1.400	1.500	2.000	.900
08/17/70	.700	1.400	1.500	2.000	.900

Table 48 (Continued). KJELDAHL NITROGEN OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	1.270	1.560	1.930	2.330	1.960
10/21/68	2.170	-1.000	2.040	2.860	-1.000
12/14/68	1.820	1.690	2.310	2.750	1.310
12/14/68	.250	2.560	1.380	2.750	1.060
2/19/69	.940	1.040	2.240	1.210	.960
2/19/69	1.410	2.110	2.150	2.450	1.770
4/21/69	.910	1.330	1.390	2.570	1.620
4/21/69	1.370	3.520	2.230	3.850	1.470
6/11/69	1.220	1.720	1.540	2.250	1.340
6/11/69	1.660	1.910	1.970	2.550	1.620
08/21/69	.940	1.420	1.140	1.950	1.460
08/21/69	1.590	1.750	1.480	1.910	2.130
11/03/69	1.290	1.420	1.760	1.840	1.900
11/03/69	1.290	1.420	1.760	1.840	1.900
12/17/69	1.360	2.100	1.330	2.420	1.440
12/17/69	1.360	2.100	1.330	2.420	1.440
03/02/70	.700	2.940	.420	3.220	1.910
03/02/70	.700	2.940	.420	3.220	1.910
04/29/70	1.680	1.820	1.750	2.640	-1.000
04/29/70	1.680	1.820	1.750	2.640	2.240
07/01/70	1.680	1.890	1.750	2.550	1.830
07/01/70	1.680	1.890	1.750	2.550	1.830
08/17/70	2.000	1.800	2.100	2.000	-1.000
08/17/70	2.000	1.800	2.100	2.000	-1.000

Table 49. AMMONIA OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.000	.010	.010	.200	.580
10/21/68	-1.000	-1.000	-1.000	1.080	1.200
12/14/68	.310	.060	.130	.440	1.060
12/14/68	-1.000	.190	.500	1.060	1.500
2/19/69	-1.000	.110	.190	.210	.360
2/19/69	-1.000	.160	.340	.450	.670
4/21/69	.420	.060	.130	.320	.350
4/21/69	-1.000	-1.000	1.120	1.120	.800
6/11/69	.110	.019	.048	.144	.445
6/11/69	.006	.160	.255	.480	.645
08/21/69	.012	.018	.051	.174	.465
08/21/69	.171	.324	.411	.720	.860
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	.305	.375	-1.000	.565	1.120
12/17/69	.305	.375	.500	.565	1.120
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	.040	.040	.040	.040	.240
04/29/70	.040	.040	.040	.040	.240
07/01/70	-1.000	.035	.035	.380	.315
07/01/70	-1.000	.035	.035	.380	.315
08/17/70	-1.000	.150	.250	.250	.380
08/17/70	-1.000	.150	.250	.250	.380

Table 49 (Continued). AMMONIA OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	1.080	1.200	1.580	2.180	.950
10/21/68	1.200	1.200	1.700	1.950	1.200
12/14/68	1.380	1.440	2.250	-1.000	1.120
12/14/68	1.190	1.060	2.060	1.880	1.000
2/19/69	.550	.590	.740	.270	.090
2/19/69	.600	.620	.900	1.090	.450
4/21/69	.380	.420	.700	1.120	.340
4/21/69	.490	.360	.830	1.220	.400
6/11/69	.640	.645	1.100	1.550	.485
6/11/69	.575	.525	.960	1.240	.610
08/21/69	.585	.680	.975	1.720	.381
08/21/69	.881	.711	1.520	1.730	.690
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	1.560	1.440	1.750	2.120	1.000
12/17/69	1.560	1.440	1.750	2.120	1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	.040	.040	.140	.070	.040
04/29/70	.040	.040	.140	.070	.040
07/01/70	.420	.380	.950	1.000	.530
07/01/70	.420	.380	.950	1.000	.530
08/17/70	.400	.600	.700	1.000	.720
08/17/70	.400	.600	.700	1.000	.720

Table 49 (Continued). AMMONIA OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.950	1.080	1.390	1.830	1.580
10/21/68	1.640	1.950	1.950	1.950	1.390
12/14/68	1.250	1.560	1.190	2.250	1.000
12/14/68	-1.000	2.440	1.000	2.440	1.870
2/19/69	.090	.130	1.210	.920	.650
2/19/69	.470	.960	.940	1.240	.530
4/21/69	.240	.430	.520	1.190	.340
4/21/69	.490	2.240	1.080	2.500	.470
6/11/69	.675	1.100	.970	1.580	.720
6/11/69	.920	1.110	1.240	1.780	.960
08/21/69	.435	.831	.636	1.320	.864
08/21/69	1.040	1.180	.966	1.300	1.470
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	1.150	1.440	1.500	2.100	1.600
12/17/69	1.150	1.440	1.500	2.100	1.600
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	.670	.720	.280	.350	-1.000
04/29/70	.670	.720	.280	.350	.140
07/01/70	.560	.840	.040	.780	.380
07/01/70	.560	.840	.040	.780	.380
08/17/70	.750	.900	.900	1.000	-1.000
08/17/70	.750	.900	.900	1.000	-1.000

Table 50. NITRATE OF WATERS OF JAMAICA BAY
(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.030	.040	.030	.090	.180
10/21/68	-1.000	-1.000	-1.000	.380	.350
12/14/68	-1.000	-1.000	-1.000	-1.000	-1.000
12/14/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/19/69	-1.000	.110	.130	.160	.260
2/19/69	-1.000	.050	.120	.130	.140
4/21/69	.210	.240	.270	.240	.250
4/21/69	-1.000	-1.000	.290	.230	.160
6/11/69	.050	.040	.080	.110	.130
6/11/69	.050	.080	.090	.100	.130
08/21/69	.027	.022	.045	.070	.118
08/21/69	.078	.069	.010	.010	.151
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	.040	-1.000	-1.000	.080	.110
12/17/69	.040	.040	.110	.080	.110
03/02/70	.140	.060	.082	.085	.140
03/02/70	.140	.060	.082	.085	.140
04/29/70	.005	.005	.045	.055	.030
04/29/70	.005	.005	.045	.055	.030
07/01/70	-1.000	-1.000	.054	.068	.065
07/01/70	-1.000	-1.000	.054	.068	.065
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 50 (Continued). NITRATE OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.370	.410	.300	.260	.320
10/21/68	.300	.370	.260	.150	.240
12/14/68	-1.000	-1.000	-1.000	-1.000	-1.000
12/14/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/19/69	.300	.320	.180	.200	.160
2/19/69	.190	.220	.230	.230	.200
4/21/69	.190	.200	.170	.190	.200
4/21/69	.220	.180	.130	.200	.190
6/11/69	.140	.130	.130	.110	.110
6/11/69	.190	.110	.090	.080	.110
08/21/69	.113	.130	.093	.190	.095
08/21/69	.108	.118	.048	.023	.010
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	.110	.190	.170	.200	-1.000
12/17/69	.110	.190	.270	.200	-1.000
03/02/70	.110	.095	.090	.120	.110
03/02/70	.110	.095	.090	.120	.110
04/29/70	.040	.037	.050	.060	.030
04/29/70	.040	.037	.050	.060	.030
07/01/70	.080	.075	.075	.045	.068
07/01/70	.080	.075	.075	.045	.068
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 50 (Continued). NITRATE OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.250	.210	.200	.320	.180
10/21/68	.210	.220	.220	.210	.220
12/14/68	-1.000	-1.000	-1.000	-1.000	-1.000
12/14/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/19/69	.150	.150	.150	.190	.190
2/19/69	.190	.210	.230	.260	.230
4/21/69	.120	.180	.230	.130	.130
4/21/69	.200	.290	.220	.160	.190
6/11/69	.130	.110	.100	.080	.140
6/11/69	.100	.100	.090	.090	.140
08/21/69	.100	.087	.086	.073	.093
08/21/69	.093	.079	.089	.063	.086
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	.120	.160	.130	.250	.190
12/17/69	.120	.160	.100	.250	.190
03/02/70	.115	.115	.100	.125	.090
03/02/70	.115	.115	.100	.125	.090
04/29/70	.040	.055	.025	.270	-1.000
04/29/70	.040	.055	.025	.270	.025
07/01/70	.068	.063	.078	.090	.055
07/01/70	.068	.063	.078	.090	.055
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 51. TOTAL PHOSPHATE OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.030	.130	.160	.300	.360
10/21/68	-1.000	-1.000	-1.000	.650	.650
12/14/68	.200	.150	.400	.400	.350
12/14/68	-1.000	-1.000	.350	.700	1.600
2/19/69	-1.000	.250	.175	.140	.540
2/19/69	-1.000	.400	.430	.580	.650
4/21/69	.250	.150	.250	.280	.350
4/21/69	-1.000	-1.000	.280	.500	.430
6/11/69	.100	.130	.160	.180	.290
6/11/69	.099	.210	.260	.280	.750
08/21/69	.080	.080	.090	.230	.590
08/21/69	.080	.230	.310	.580	.830
11/03/69	.094	.094	.203	.422	.562
11/03/69	-1.000	.094	.203	.422	.562
12/17/69	.285	.204	-1.000	.082	.204
12/17/69	.285	.204	.285	.082	.204
03/02/70	.153	.035	.041	.183	.224
03/02/70	.153	.035	.041	.183	.224
04/29/70	.036	.062	.042	.120	.180
04/29/70	.036	.062	.042	.120	.180
07/01/70	.082	.102	.122	.285	.366
07/01/70	.082	.102	.122	.265	.366
08/17/70	.160	.100	.090	.060	.320
08/17/70	.160	.100	.090	.070	.320

Table 51 (Continued). TOTAL PHOSPHATE OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.650	.780	.780	.950	.430
10/21/68	.750	.650	.770	.950	.620
12/14/68	.500	.500	.770	2.050	1.170
12/14/68	2.050	1.150	2.950	3.470	.770
2/19/69	.750	.600	.650	.875	.720
2/19/69	.500	.900	.630	.950	.350
4/21/69	.630	.580	.430	.930	.380
4/21/69	.580	.730	.730	1.020	.630
6/11/69	.640	.740	.940	.990	.490
6/11/69	.740	.730	.950	.980	.540
08/21/69	.870	1.000	1.250	1.290	.470
08/21/69	.890	1.000	1.290	1.250	.610
11/03/69	.655	.640	.936	.953	.500
11/03/69	.655	.640	.936	.953	.509
12/17/69	.410	.570	.410	.570	.163
12/17/69	.410	.570	.410	.570	.163
03/02/70	.306	.306	.591	.550	.804
03/02/70	.306	.306	.591	.550	.804
04/29/70	.260	.420	.520	.620	.810
04/29/70	.260	.420	.520	.620	.810
07/01/70	.418	.590	.876	.734	.326
07/01/70	.418	.590	.876	.734	.326
08/17/70	.400	.550	.750	.730	.390
08/17/70	.400	.550	.750	.730	.390

Table 51 (Continued). TOTAL PHOSPHATE OF WATERS OF JAMAICA BAY
(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.560	.720	.760	.720	.650
10/21/68	.750	.820	.950	1.010	.620
12/14/68	.870	.150	.900	1.920	-1.000
12/14/68	1.800	2.500	2.750	1.920	1.030
2/19/69	.280	-1.000	-1.000	.080	.400
2/19/69	.550	.850	.930	.600	.580
4/21/69	.430	.350	.730	1.300	.530
4/21/69	.430	.450	.750	1.270	.430
6/11/69	.620	.640	.740	.920	.560
6/11/69	.730	.850	1.130	1.020	.720
08/21/69	.500	.700	.620	.950	.020
08/21/69	.700	.840	.840	1.080	1.000
11/03/69	.453	.546	.750	.765	.765
11/03/69	.453	.546	.750	.765	.765
12/17/69	.082	.163	.510	.570	.285
12/17/69	.082	.163	.510	.570	.285
03/02/70	.305	.357	.357	.701	.293
03/02/70	.305	.357	.357	.601	.293
04/29/70	.360	.390	.520	.590	-1.000
04/29/70	.360	.390	.520	.590	.520
07/01/70	.418	.560	.590	.744	.565
07/01/70	.418	.560	.590	.744	.565
08/17/70	.470	.670	.670	.770	-1.000
08/17/70	.470	.670	.670	.770	-1.000

Table 52. ORTHOPHOSPHATE OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.000	.000	.000	.030	.200
10/21/68	-1.000	-1.000	-1.000	.390	.460
12/14/68	.120	.050	.120	.120	.190
12/14/68	-1.000	-1.000	.280	.320	1.220
2/19/69	-1.000	.190	.090	.090	.260
2/19/69	-1.000	.230	.220	.280	.450
4/21/69	.120	.040	.120	.130	.260
4/21/69	-1.000	-1.000	.170	.240	.260
6/11/69	.012	.012	.024	.062	.175
6/11/69	.062	.200	.230	.250	.440
08/21/69	.080	.080	.070	.190	.460
08/21/69	.070	.200	.270	.490	.660
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 52 (Continued). ORTHOPHOSPHATE OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.460	.520	.590	.850	.330
10/21/68	.460	.520	.750	.780	.560
12/14/68	.070	.190	.530	1.040	.550
12/14/68	1.850	.940	2.680	1.720	.400
2/19/69	.390	.400	.560	.580	.240
2/19/69	.460	.800	.600	.680	.310
4/21/69	.400	.400	.450	.790	.220
4/21/69	.380	.340	.460	.720	.440
6/11/69	.450	.580	.750	.810	.290
6/11/69	.700	.710	.840	.700	.290
08/21/69	.690	.800	.990	1.160	.440
08/21/69	.860	.910	1.120	1.120	.500
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 52 (Continued). ORTHOPHOSPHATE OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.360	.390	.560	.590	.460
10/21/68	.590	.680	.720	.750	.560
12/14/68	.450	.070	.730	1.340	-1.000
12/14/68	.920	1.140	2.380	1.540	.660
2/19/69	.210	-1.000	-1.000	.050	.380
2/19/69	.460	.570	.740	.490	.340
4/21/69	.320	.100	.460	.980	.130
4/21/69	.290	.570	.490	1.170	.130
6/11/69	.360	.610	.600	.790	.780
6/11/69	.310	.460	.500	.790	.460
08/21/69	.460	.650	.590	.020	.890
08/21/69	.670	.620	.760	.800	.860
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 53. HEXANE EXTRACTABLE MATERIAL OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	-1.000	-1.000	-1.000.	-1.000	-1.000
10/21/68	-1.000	-1.000	-1.000	-1.000	-1.000
12/14/68	3.200	.500	.300	1.500	1.200
12/14/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/19/69	-1.000	.100	.300	.100	.300
2/19/69	-1.000	.400	.900	.100	.000
4/21/69	1.500	.400	1.900	.500	.800
4/21/69	-1.000	-1.000	1.500	.600	.400
6/11/69	.640	.400	.100	.100	.400
6/11/69	.500	1.100	.500	.100	.400
08/21/69	1.800	.800	1.000	.900	1.000
08/21/69	.100	.300	.100	.100	.100
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 53 (Continued). HEXANE EXTRACTABLE MATERIAL OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	-1.000	-1.000	-1.000	-1.000	-1.000
12/14/68	1.100	8.900	-1.000	.300	.800
12/14/68	-1.000	4.400	1.000	1.700	2.000
2/19/69	.600	.300	.400	.300	.000
2/19/69	.000	.100	.000	1.000	.600
4/21/69	1.300	.000	.000	.100	.800
4/21/69	.200	.600	.600	.100	.300
6/11/69	.500	.400	.500	.700	.900
6/11/69	.100	.300	.200	.400	.100
08/21/69	1.500	1.200	1.200	1.100	.500
08/21/69	.100	.100	.100	.100	.400
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 53 (Continued). HEXANE EXTRACTABLE MATERIAL OF WATERS OF JAMAICA BAY

(mg/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	-1.000	-1.000	-1.000	-1.000	-1.000
12/14/68	1.000	1.200	.900	.700	.500
12/14/68	-1.000	1.600	2.700	3.400	2.700
2/19/69	.000	.000	.100	.000	.100
2/19/69	.200	.200	.100	1.100	.800
4/21/69	.200	.500	.400	.300	.500
4/21/69	.500	.300	.500	.300	.300
6/11/69	.900	.100	.100	.100	5.600
6/11/69	.110	1.000	.100	1.300	.100
08/21/69	.300	1.100	.100	.200	.400
08/21/69	.700	.400	.200	1.100	.600
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 54. TOTAL COLIFORMS OF WATERS OF JAMAICA BAY

(MPN/ml)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	30.000	110.000	240.000
10/2/68	4.300	4.300	36.000	21.000	23.000
10/21/68	.300	9.300	.360	23.000	23.000
10/21/68	-1.000	-1.000	-1.000	43.000	93.000
12/14/68	4.300	4.300	4.300	460.000	23.000
12/14/68	.360	4.300	93.000	93.000	23.000
2/19/69	-1.000	-1.000	4.300	39.000	23.000
2/19/69	-1.000	43.000	93.000	43.000	23.000
4/21/69	.300	.300	2.300	23.000	23.000
4/21/69	-1.000	-1.000	1100.000	9.300	15.000
6/11/69	.030	.030	.300	9.300	9.300
6/11/69	.300	4.300	9.300	93.000	2.300
08/21/69	.030	.230	.230	9.300	9.300
08/21/69	.036	9.300	9.300	9.300	2.300
11/03/69	.300	.910	2.300	930.000	930.000
11/03/69	-1.000	43.000	430.000	930.000	93.000
12/17/69	3.000	-1.000	-1.000	230.000	93.000
12/17/69	9.100	23.000	93.000	43.000	23.000
03/02/70	.300	.400	9.300	150.000	93.000
03/02/70	9.500	93.000	210.000	23.000	95.300
04/29/70	.030	.910	3.600	93.000	23.000
04/29/70	.030	23.000	20.000	93.000	23.000
07/01/70	9.300	4.300	.700	93.000	46.000
07/01/70	9.300	7.500	120.000	4.000	4.300
08/17/70	.050	.400	.050	.500	23.000
08/17/70	.000	4.300	-1.000	-1.000	-1.000

Table 54 (Continued). TOTAL COLIFORMS OF WATERS OF JAMAICA BAY

(MPN/ml)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	91.000	300.000	300.000	300.000	300.000
10/2/68	30.000	300.000	300.000	300.000	300.000
10/21/68	430.000	43.000	230.000	230.000	93.000
10/21/68	93.000	23.000	93.000	930.000	930.000
12/14/68	150.000	2.300	460.000	93.000	23.000
12/14/68	23.000	15.000	43.000	23.000	23.000
2/19/69	93.000	15.000	240.000	39.000	23.000
2/19/69	43.000	93.000	120.000	93.000	43.000
4/21/69	75.000	23.000	2.300	23.000	3.900
4/21/69	43.000	4.300	4.300	43.000	23.000
6/11/69	3.000	1.500	2.300	93.000	23.000
6/11/69	2.300	2.300	4.300	.300	230.000
08/21/69	23.000	4.300	.930	36.000	9.300
08/21/69	.230	1.500	2.300	2.300	93.000
11/03/69	230.000	21.000	1100.000	230.000	1100.000
11/03/69	1100.000	93.000	1100.000	1500.000	150.000
12/17/69	230.000	93.000	930.000	150.000	230.000
12/17/69	230.000	23.000	230.000	210.000	230.000
03/02/70	43.000	9.000	43.000	230.000	9.000
03/02/70	43.000	3.000	93.000	43.000	18.000
04/29/70	93.000	15.000	230.000	160.000	43.000
04/29/70	23.000	.300	93.000	23.000	43.000
07/01/70	4.000	7.000	.000	9.000	43.000
07/01/70	23.000	.000	43.000	.000	230.000
08/17/70	.500	.500	.500	240.000	93.000
08/17/70	-1.000	.500	.000	23.000	750.000

Table 54 (Continued). TOTAL COLIFORMS OF WATERS OF JAMAICA BAY

(MPN/ml)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	1500.000	300.000	300.000	300.000	300.000
10/2/68	300.000	300.000	300.000	300.000	300.000
10/21/68	75.000	230.000	230.000	430.000	430.000
10/21/68	930.000	4600.000	260.000	430.000	75.000
12/14/68	43.000	460.000	240.000	150.000	75.000
12/14/68	23.000	430.000	430.000	23.000	75.000
2/19/69	93.000	1100.000	93.000	-1.000	230.000
2/19/69	93.000	4600.000	230.000	75.000	93.000
4/21/69	9.300	240.000	43.000	930.000	3.600
4/21/69	43.000	4600.000	93.000	********	3.000
6/11/69	75.000	460.000	460.000	430.000	7.500
6/11/69	230.000	430.000	43.000	93.000	3.600
08/21/69	4.300	230.000	230.000	23.000	3.900
08/21/69	430.000	430.000	43.000	43.000	15.000
11/03/69	430.000	230.000	430.000	230.000	430.000
11/03/69	230.000	2300.000	930.000	9300.000	930.000
12/17/69	43.000	150.000	230.000	430.000	93.000
12/17/69	93.000	150.000	430.000	2300.000	230.000
03/02/70	75.000	930.000	150.000	430.000	3.000
03/02/70	230.000	230.000	230.000	230.000	13.700
04/29/70	75.000	93.000	230.000	430.000	-1.000
04/29/70	930.000	150.000	210.000	230.000	93.000
07/01/70	39.000	930.000	2400.000	930.000	23.000
07/01/70	430.000	230.000	930.000	93.000	23.000
08/17/70	23.000	240.000	93.000	430.000	-1.000
08/17/70	230.000	93.000	43.000	430.000	-1.000

Table 55. FECAL COLIFORMS OF WATERS OF JAMAICA BAY

(MPN/ml)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	46.000	240.000
10/2/68	.900	4.300	36.000	15.000	23.000
10/21/68	.300	9.300	.360	23.000	23.000
10/21/68	-1.000	-1.000	-1.000	23.000	93.000
12/14/68	.910	2.300	1.500	150.000	23.000
12/14/68	.360	23.000	93.000	23.000	23.000
2/19/69	-1.000	-1.000	4.300	23.000	23.000
2/19/69	-1.000	23.000	93.000	23.000	23.000
4/21/69	.300	.300	2.300	9.300	9.300
4/21/69	-1.000	-1.000	240.000	9.300	.910
6/11/69	.030	.030	.300	4.300	4.300
6/11/69	.300	.910	9.300	2.100	.910
08/21/69	.030	.036	.030	4.300	1.500
08/21/69	.030	21.000	.910	4.300	.430
11/03/69	.300	.360	2.300	230.000	150.000
11/03/69	-1.000	23.000	430.000	430.000	43.000
12/17/69	3.000	-1.000	-1.000	43.000	93.000
12/17/69	3.600	23.000	93.000	23.000	23.000
03/02/70	.300	.400	4.300	39.000	43.000
03/02/70	9.500	43.000	75.000	23.000	60.000
04/29/70	.030	.360	3.600	23.000	23.000
04/29/70	.030	23.000	9.100	93.000	3.600
07/01/70	.000	.000	.000	20.000	8.000
07/01/70	.300	4.300	2.300	4.000	4.300
08/17/70	.050	.500	.500	.500	.500
08/17/70	.050	.400	-1.000	-1.000	-1.000

Table 55 (Continued). FECAL COLIFORMS OF WATERS OF JAMAICA BAY

(MPN/ml)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	91.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	75.000	43.000	43.000	230.000	93.000
10/21/68	93.000	23.000	43.000	93.000	430.000
12/14/68	150.000	2.300	240.000	43.000	23.000
12/14/68	9.300	7.500	9.100	9.100	23.000
2/19/69	23.000	9.300	23.000	23.000	9.300
2/19/69	43.000	43.000	120.000	43.000	43.000
4/21/69	15.000	2.300	2.300	2.300	.720
4/21/69	4.300	.910	.910	9.100	9.100
6/11/69	3.000	.360	.910	3.900	23.000
6/11/69	.360	.910	.910	.300	43.000
08/21/69	2.100	.930	.091	.030	2.300
08/21/69	.430	.200	.430	2.300	43.000
11/03/69	230.000	15.000	1100.000	230.000	930.000
11/03/69	930.000	93.000	430.000	230.000	43.000
12/17/69	43.000	43.000	930.000	43.000	43.000
12/17/69	43.000	3.000	230.000	43.000	23.000
03/02/70	3.000	4.000	3.000	43.000	9.000
03/02/70	3.000	3.000	23.000	15.000	3.000
04/29/70	93.000	15.000	93.000	23.000	9.100
04/29/70	9.100	.300	43.000	23.000	43.000
07/01/70	.000	.000	.000	4.000	23.000
07/01/70	9.000	.000	43.000	.000	230.000
08/17/70	.500	.500	.500	9.000	3.000
08/17/70	-1.000	.500	.500	.500	200.000

Table 55 (Continued). FECAL COLIFORMS OF WATERS OF JAMAICA BAY

(MPN/ml)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	1500.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	23.000	43.000	93.000	150.000	150.000
10/21/68	210.000	430.000	260.000	23.000	75.000
12/14/68	43.000	240.000	240.000	39.000	43.000
12/14/68	23.000	430.000	230.000	23.000	23.000
2/19/69	93.000	1100.000	93.000	-1.000	43.000
2/19/69	23.000	1500.000	230.000	75.000	43.000
4/21/69	4.300	93.000	9.300	150.000	3.000
4/21/69	3.000	930.000	93.000	1500.000	3.000
6/11/69	39.000	460.000	150.000	93.000	1.400
6/11/69	15.000	430.000	43.000	93.000	3.000
08/21/69	2.300	230.000	93.000	9.100	3.900
08/21/69	23.000	93.000	9.100	43.000	4.300
11/03/69	93.000	230.000	93.000	230.000	230.000
11/03/69	230.000	430.000	210.000	150.000	210.000
12/17/69	43.000	150.000	93.000	230.000	23.000
12/17/69	43.000	93.000	230.000	930.000	93.000
03/02/70	23.000	75.000	43.000	430.000	3.000
03/02/70	43.000	230.000	93.000	230.000	4.000
04/29/70	23.000	43.000	43.000	150.000	-1.000
04/29/70	93.000	43.000	75.000	23.000	23.000
07/01/70	39.000	43.000	43.000	930.000	.000
07/01/70	250.000	93.000	930.000	93.000	15.000
08/17/70	9.000	.000	43.000	240.000	-1.000
08/17/70	43.000	9.000	9.000	93.000	-1.000

Table 56. FECAL STREPTOCOCCI OF WATERS OF JAMAICA BAY

(no./ml)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.010	.013	.003	.005	.008
10/21/68	-1.000	-1.000	-1.000	.004	.100
12/14/68	.040	.085	.240	7.050	3.950
12/14/68	.550	4.850	10.660	2.370	2.170
2/19/69	-1.000	-1.000	.170	1.600	3.100
2/19/69	-1.000	.980	3.600	4.400	6.300
4/21/69	.200	.200	-1.000	.800	.800
4/21/69	-1.000	-1.000	16.000	.800	.800
6/11/69	.100	.100	.100	.100	.200
6/11/69	.100	-1.000	.200	.430	-1.000
08/21/69	.100	.100	.100	.100	-1.000
08/21/69	.100	.190	.200	.480	.560
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 56 (Continued). FECAL STREPTOCOCCI OF WATERS OF JAMAICA BAY

(no./ml)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.080	.005	.025	.960	.035
10/21/68	.065	.015	.015	.210	.005
12/14/68	6.560	.235	14.180	2.780	3.160
12/14/68	2.360	.520	1.030	1.810	3.220
2/19/69	2.200	.500	6.200	3.000	3.100
2/19/69	3.000	5.400	7.300	3.700	4.600
4/21/69	.800	.400	.800	.400	.800
4/21/69	.800	.800	.800	1.100	.800
6/11/69	1.150	.300	1.600	.330	.200
6/11/69	.400	-1.000	-1.000	.260	.300
08/21/69	.320	2.270	.330	.380	.560
08/21/69	.380	.245	.360	.230	.600
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 56 (Continued). FECAL STREPTOCOCCI OF WATERS OF JAMAICA BAY

(no./ml)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/2/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/21/68	.020	.480	.050	.374	.015
10/21/68	.025	.120	.130	.330	.250
12/14/68	2.600	13.840	8.120	7.720	3.860
12/14/68	2.480	8.220	14.300	2.760	3.040
2/19/69	2.800	7.800	3.800	3.900	20.800
2/19/69	9.700	103.000	35.000	26.900	8.200
4/21/69	.800	.800	.800	.800	.800
4/21/69	.800	41.000	2.000	191.000	.800
6/11/69	-1.000	3.120	2.120	1.560	.980
6/11/69	1.160	1.160	2.000	.310	.310
08/21/69	.380	.430	.490	-1.000	.580
08/21/69	.840	.770	.700	.840	.200
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
11/03/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/17/69	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
03/02/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/29/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
07/01/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/17/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 57. MICROPLANKTON OF WATERS OF JAMAICA BAY

(10^3 org/ml)

DATE MO/DAY/YR	TIDE	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
12/14/68	H	.080	.132	.064	.064	.636
	L	.039	.036	.180	.604	.776
2/19/69	H	.000	.993	.801	1.97	14.3
	L	.000	4.49	28.5	33.2	22.9
4/21/69	H	.002	.014	.068	.791	1.69
	L	.000	0	.214	1.43	1.17
6/11/69	H	.040	.140	.074	.080	.006
	L	.096	.012	.029	.004	.006
8/21/69	H	3.66	8.36	2.91	.812	.029
	L	2.66	.589	.552	.010	.045
11/3/69	H	.751	.690	.615	.364	.469
12/17/69	H	2.36	.976	2.90	6.57	6.68
3/2/70	H	.924	5.95	7.37	237	47.3
4/29/70	H	.548	1.73	1.95	3.72	1.96
7/1/70	H	1.14	.881	.623	.408	.278
8/17/70	H	.212	.180	.150	.216	.150

Table 57 (Continued). MICROPLANKTON OF WATERS OF JAMAICA BAY
(10^3 org/ml)

DATE MO/DAY/YR	TIDE	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
12/14/68	H	.415	.340	.660	.968	.220
	L	.744	.500	.452	1.18	.532
2/19/69	H	.348	53.2	34.0	35.9	15.5
	L	.153	22.4	23.4	21.0	23.5
4/21/69	H	3.82	3.01	2.97	4.11	1.82
	L	2.28	1.17	1.94	2.79	1.47
6/11/69	H	.004	0	.002	0	0
	L	0	0	.004	0	.006
8/21/69	H	.054	.141	.244	.271	.156
	L	.770	.246	.227	.343	.068
11/3/69	H	.255	.315	.612	.736	.515
12/17/69	H	15.6	9.00	16.5	20.7	6.63
3/2/70	H	81.0	7.00	84.0	48.3	41.1
4/29/70	H	3.12	5.58	6.16	6.29	3.78
7/1/70	H	.670	.420	.242	.170	.380
8/17/70	H	.102	.282	.212	.246	.146

Table 57 (Continued). MICROPLANKTON OF WATERS OF JAMAICA BAY

(10^3 org ml)

DATE MO/DAY/YR	TIDE	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
12/14/68	H	.432	.738	.788	.800	.640
	L	0	.492	1.05	.800	.592
2/19/69	H	26.1	22.7	15.4	41.7	24.4
	L	10.5	15.7	23.5	8.89	40.0
4/21/69	H	1.63	2.72	4.75	3.46	4.22
	L	2.37	1.94	2.42	1.51	1.73
6/11/69	H	0	0	0	.006	.014
	L	.012	.002	0	.030	.054
8/21/69	H	.073	.020	.021	.086	.012
	L	.047	.051	.029	.060	.014
11/3/69	H	.593	.528	.888	.708	.317
12/17/69	H	7.78	8.70	13.2	14.5	1.42
3/2/70	H	26.7	14.6	46.0	4.49	49.7
4/29/70	H	5.86	5.52	4.92	6.23	6.22
7/1/70	H	.260	.572	.420	.300	.456
8/17/70	H	.114	.210	.120	.234	0

Table 34. MICROPLANKTON DIVERSITY INDEX OF WATERS OF JAMAICA BAY

DATE MO/DAY/YR	TIDE	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
12/14/68	H	1.50	1.08	1.13	.000	.185
	L	.984	.451	.300	.404	.318
2/19/69	H	.000	.624	1.31	.393	.063
	L	.000	.139	.020	.090	.014
4/21/69	H	.000	.000	.718	1.24	1.16
	L	.000	.000	.898	1.49	.705
6/11/69	H	1.55	1.02	1.27	1.37	1.10
	L	1.05	1.10	.576	.000	.000
8/21/69	H	.361	.216	.410	.447	.959
	L	.495	.487	.000	.000	.861
11/3/69	H	1.71	1.50	.776	1.03	1.07
12/17/69	H	1.43	1.71	.000	.675	.994
3/4/70	H	.614	.716	.314	.019	.069
4/29/70	H	1.22	.942	1.14	1.34	1.27
7/1/70	H	1.31	1.45	1.59	1.58	1.73
8/17/70	H	.633	1.21	1.24	1.50	1.51

Table 58 (Continued). MICROPLANKTON DIVERSITY INDEX OF WATERS OF JAMAICA BAY

DATE MO/DAY/YR	TIDE	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
12/14/68	H	.749	.503	.241	.337	.156
	L	.270	.047	.258	.205	.213
2/19/69	H	.000	.004	.178	.011	.009
	L	.002	.000	.000	.005	.035
4/21/69	H	.935	.901	1.26	1.22	1.49
	L	.760	.771	1.16	.860	.923
6/11/69	H	.000	.000	.000	.000	.000
	L	.000	.000	.000	.000	.637
8/21/69	H	.572	.000	.616	.000	.000
	L	.164	.241	.984	.678	.000
11/3/69	H	1.01	.989	.951	.934	1.42
12/17/69	H	.522	.295	.386	.214	.924
3/2/70	H	.087	.886	.101	.173	0.54
4/29/70	H	1.47	.950	.943	.934	.938
7/1/70	H	1.69	1.33	.943	1.38	1.71
8/17/70	H	1.59	1.39	1.02	1.49	1.47

Table 58 (Continued). MICROPLANKTON DIVERSITY INDEX OF WATERS OF JAMAICA BAY

DATE MO/DAY/YR	TIDE	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
12/14/68	H	.158	.508	.301	.098	.054
	L	.000	.000	.413	.098	.112
2/19/69	H	.007	.000	.018	.024	.074
	L	.000	.027	.017	.000	.001
4/21/69	H	1.08	1.13	1.20	1.24	.960
	L	.949	1.28	1.15	1.11	.775
6/11/69	H	.000	.000	.000	.000	1.28
	L	.000	.000	.000	.393	.814
8/21/69	H	.000	1.24	.191	.000	.287
	L	.000	.684	.333	.661	.000
11/3/69	H	1.14	1.24	1.04	.989	1.03
12/17/69	H	.538	.627	.387	.251	.840
3/2/70	H	.098	.450	.254	.315	.339
4/29/70	H	.932	1.21	.417	.610	.886
7/1/70	H	1.18	1.84	1.11	.973	1.48
8/17/70	H	.753	.410	1.67	1.29	.000

Table 39. ZOOPLANKTON OF WATERS OF JAMAICA BAY

(org/l)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	43.2	73.8	20.6	35.9	36.3
11/20/68	.000	.000	.000	5.68	17.8
2/6/69	10.2	12.3	6.79	3.99	4.51
3/20/69	.000	.000	29.3	13.8	.42
4/29/69	18.1	25.6	28.1	124	130
6/18/69	12.4	17.3	20.7	23.9	95.4
8/11/69	.000	141	57.0	.000	154
10/29/69	5.08	20.2	17.8	12.4	23.9
12/15/69	9.77	13.6	20.9	8.41	7.28
2/12/70	.000	.000	.000	2.42	6.28
4/29/70	3.81	2.96	2.68	2.95	6.04
7/1/70	19.2	9.48	18.3	10.9	38.1
8/24/70	10.8	14.9	18.1	15.3	20.1

Table 59 (Continued). ZOOPLANKTON OF WATERS OF JAMAICA BAY

(org/l)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	28.4	24.3	27.8	31.4	60.0
11/20/68	7.25	1.65	6.62	2.54	8.26
2/6/69	3.01	.30	1.20	.52	2.39
3/20/69	3.89	2.82	2.23	1.87	2.39
4/29/69	446	77.5	108	151	72.1
6/18/69	157	38.2	97.1	57.6	129
8/11/69	88.2	66.0	0.00	182	26.1
10/29/69	3.87	12.0	20.9	14.7	22.9
12/15/69	6.90	4.47	7.64	6.70	7.20
2/12/70	2.06	.42	2.37	.64	1.14
4/29/70	13.8	6.63	39.9	10.1	12.6
7/1/70	56.2	27.3	27.5	16.0	19.4
8/24/70	16.8	11.4	27.3	15.0	13.1

Table 59 (Continued). ZOOPLANKTON OF WATERS OF JAMAICA BAY

(org/l)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	30.0	83.5	15.0	24.1	6.68
11/20/68	4.93	12.7	5.17	3.45	9.47
2/6/69	1.70	0.00	3.20	2.32	3.60
3/20/69	2.77	1.37	1.62	1.93	2.08
4/29/69	86.9	55.1	149	90.5	293
6/16/69	37.2	112	124	107	196
8/11/69	76.4	68.4	71.5	163	74.2
10/29/69	31.4	23.6	16.1	22.7	51.1
12/15/69	4.34	7.25	5.51	4.98	11.2
2/12/70	1.19	.84	.37	.43	1.77
4/29/70	6.80	24.2	18.3	14.9	0.00
7/1/70	28.7	33.9	41.5	21.4	29.9
8/24/70	27.9	13.4	17.0	12.1	34.5

Table 60. ZOOPLANKTON DIVERSITY INDEX OF WATERS OF JAMAICA BAY

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	.861	.583	.653	.780	.438
11/20/68	.000	.000	.000	.988	1.15
2/6/69	1.27	1.04	1.21	.681	.867
3/20/69	.000	.000	.763	.647	.000
4/29/69	.906	1.61	.960	.612	.804
6/18/69	.549	.661	1.02	1.40	.574
8/11/69	.000	1.04	.855	.000	.501
10/29/69	1.63	.965	1.12	.474	.782
12/15/69	.968	1.10	1.11	1.40	1.73
2/12/70	.000	.000	.000	1.19	.983
4/29/70	1.42	1.68	1.58	1.94	1.35
7/1/70	.833	.888	.864	1.29	1.41
8/24/70	1.75	1.55	1.44	.748	1.00

Table 60 (Continued). ZOOPLANKTON DIVERSITY INDEX OF WATERS OF JAMAICA BAY

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	.652	.375	.553	.359	.402
11/20/68	1.03	.423	.752	.599	.497
2/6/69	.346	.693	.000	.000	.568
3/20/69	.225	.361	.258	.209	.394
4/29/69	.425	.751	.793	.896	.805
6/18/69	1.24	1.11	1.31	.613	1.14
8/11/69	.558	.967	.000	.474	.496
10/29/69	.717	.724	.731	.415	.542
12/15/69	1.55	1.64	1.74	1.41	1.59
2/12/70	1.51	1.24	1.53	1.77	.947
4/29/70	1.17	.991	.571	1.47	1.44
7/1/70	1.49	.895	1.51	1.26	1.84
8/24/70	.786	1.06	.823	1.04	.921

Table 60 (Continued). ZOOPLANKTON DIVERSITY INDEX OF WATERS OF JAMAICA BAY

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	.442	.151	.540	.395	1.34
11/20/68	.959	.669	.334	.647	.849
2/6/69	.447	.000	1.07	.401	.000
3/20/69	.599	.475	.491	.000	.483
4/29/69	.299	1.09	1.06	.585	.976
6/18/69	1.53	.774	.613	.482	.439
8/11/69	.870	.786	.997	.586	1.26
10/29/69	.634	.533	.873	.240	.900
12/15/69	1.86	1.24	1.62	1.50	1.38
2/12/70	.935	.929	1.28	1.32	1.01
4/29/70	1.52	1.57	1.54	1.72	.000
7/1/70	1.73	1.42	1.32	1.40	1.63
8/24/70	.998	1.71	.920	1.83	1.17

APPENDIX E

DIURNAL PHYSICAL AND CHEMICAL WATER QUALITY
CHARACTERISTICS OF GRASSY BAY IN JAMAICA BAY

Table 61. DIURNAL PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS OF GRASSY BAY IN JAMAICA BAY (Stations 9 and 14)

Station	Date	Time	Depth, m	Secchi disc, m	Temperature, °C	pH	Chlorosity, g/l	Dissolved oxygen mg/l	Dissolved oxygen % sat.	BOD, mg/l	Total unoxidized N, mg/l	NH_3-N, mg/l	NO_3-N, mg/l	Total P, mg/l	Total soluble P, mg/l
14	24 Mar 69	0944	4.1		5.8	7.95	14.8	11.4	108	5.7	2.61	1.50	0.27		0.78
		1223	4.3		6.2	8.03	14.7	11.7	111	5.7	2.64	1.51	0.26		1.25
		1523	4.3		5.9	8.01	15.8	11.2	108	6.5	2.62	1.36	0.28		1.20
		1917	4.4		6.0		15.2	11.9	114	7.0	2.45	1.70	0.29		1.25
14	9-10 Apr 69	1830	4.6	1.0	10.1	8.40	13.6	12.8	132	7.8	1.24	0.82	0.20	1.40	0.77
		2142	4.4		10.0	8.41	13.5	13.5	139	8.8	3.23	1.60	0.18	1.40	0.95
		0025	4.9		9.8	8.40	13.8	13.0	133	7.5	2.32	1.10	0.20		1.30
		0330	4.9		10.1	8.42	13.8	12.2	126	8.1	2.40	1.15	0.17		1.40
		0620	4.3	0.7	9.9	8.40	14.1	10.8	111	7.1	2.69	1.25	0.18		1.15
		0923	4.0	0.8	10.0	8.40	13.9	12.0	124	6.5	2.28	1.03	0.20		1.25
		1211	4.6	0.8	10.2	8.45	13.6	12.1	125	7.2	2.68	1.35	0.20		1.60
		1517	4.9	0.8	10.2	8.52	13.7	13.2	136	8.3	2.66	1.19	0.20		0.95
		1808	4.3		10.4	8.52	13.8	12.6	131	7.5	2.19	0.88	0.18		
9	31 Jul 69	0843	0.3		24.0			7.4							
			2.1		24.5			4.6							
			4.3		24.1		13.1	3.1							
			6.4		24.0			2.6							
			8.5		23.6			1.9							
		1414	0.3		24.9			8.1							
			2.1		24.9			7.3							
			4.3		24.3		13.1	2.8							
			6.4		24.0			2.0							
			8.8		23.3			1.3							
		1759	0.3		24.5			7.1							
			3.0		24.8			6.0							
			6.1		24.2		13.3	2.2							
			8.5		23.8			0							

Table 61 (Continued). DIURNAL PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS OF GRASSY BAY IN JAMAICA BAY (Stations 9 and 14)

Station	Date	Time	Depth, m	Secchi disc, m	Temperature, °C	pH	Chlorosity, g/l	Dissolved oxygen mg/l	Dissolved oxygen % sat.	BOD, mg/l	Total unoxidized N, mg/l	NH_3-N, mg/l	NO_3-N, mg/l	Total P, mg/l	Total soluble P, mg/l
14	31 Jul 69	0813	0.3		24.0			2.7							
			2.1		24.0			2.9							
			4.3		24.1		13.0	2.8							
			6.4		24.0			2.6							
			8.2		24.1			2.4							
		1340	0.3		25.6			8.8							
			1.5		26.0			8.2							
			3.0		25.6		12.9	6.0							
			4.6		25.0			4.4							
			6.1		24.9			2.4							
		1737	0.3		25.0			7.6							
			3.0		25.4		12.4	4.3							
			6.1		24.2			0							
9	31 Oct 69	0625	0.1		10.4		14.7	8.9							
			1.5		10.8			8.9							
			3.0		10.8			5.5							
			6.1		11.2			4.7							
			9.1		11.2			4.8							
		1000	0.1	1.3	11.1			7.4							
			1.5		11.1			7.3							
			3.0		11.1			5.6							
			6.1		11.4		14.7	5.3							
			10.0		11.4			5.3							
		1453	0.1	1.5	11.6			6.2							
			1.5		11.8			5.9							
			3.0		11.8		14.6	5.8							
			4.6		11.6			5.5							
			6.1		11.2			5.4							
			9.1		11.1			5.6							

Table 61 (Continued). DIURNAL PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS OF GRASSY BAY IN JAMAICA BAY (Stations 9 and 14)

Station	Date	Time	Depth, m	Secchi disc, m	Temperature, °C	pH	Chlorosity, g/l	Dissolved oxygen mg/l	Dissolved oxygen % sat.	BOD, mg/l	Total unoxidized N, mg/l	NH_3-N, mg/l	NO_3-N, mg/l	Total P, mg/l	Total soluble P, mg/l
		1830	0.1		11.0			5.8							
			1.5		11.2			5.6							
			3.0		11.5		15.0	5.3							
			4.6		11.5			5.3							
			6.1		11.5			5.3							
			8.5		11.2			5.0							
14	31 Oct 69	0637	0.1	1.1	11.0			6.6							
			1.5		11.5			7.0							
			3.0		11.4		13.0	6.8							
			4.6		11.2			6.3							
			9.1		11.1			6.1							
		1012	0.1	1.3	11.2			6.7							
			1.5		11.5			6.4							
			3.0		11.4		14.7	6.4							
			4.6		11.2			6.4							
			9.7		11.2			6.4							
		1505	0.1	1.0	11.9			7.8							
			1.5		11.9			7.8							
			3.0		11.9		14.7	8.0							
			4.6		11.3			5.7							
			9.7		11.2			5.7							
		1842	0.1		11.5			7.5							
			1.5		11.5			7.4							
			3.0		11.5		14.7	7.7							
			4.6		11.4			7.4							
			6.1		11.4			6.3							
			8.5		11.2			5.9							

Table 61 (Continued). DIURNAL PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS OF GRASSY BAY IN JAMAICA BAY (Stations 9 and 14)

Station	Date	Time	Depth, m	Secchi disc, m	Temperature, °C	pH	Chlorosity, g/l	Dissolved oxygen mg/l	% sat.	BOD, mg/l	Total unoxidized N, mg/l	NH_3-N, mg/l	NO_3-N, mg/l	Total P, mg/l	Total soluble P, mg/l
9	18	0630	0.3		1.4			9.6							
	Feb		4.0		1.2		13.3	10.4							
	70		7.6		1.2			9.2							
		0940	0.3	1.1	1.5			9.2							
			4.9		1.3		13.4	9.6							
			9.7		1.5			8.5							
		1424	0.3	1.2	1.8			10.4							
			4.6		1.4		13.2	9.8							
			9.1		1.3			9.4							
		1650	0.3		1.2			10.4							
			5.5		1.4		13.5	9.2							
			10.7		1.5			9.3							
14	18	0648	0.3		1.5			9.3							
	Feb		4.9		1.3		13.5	10.0							
	70		9.7		1.3			9.9							
		0952	0.3	0.9	1.4			9.7							
			4.6		1.3		13.5	9.5							
			9.1		1.4			9.7							
		1438	0.3	0.9	1.6			10.4							
			4.9		1.6		13.1	10.4							
			9.4		1.6			10.1							
		1635	0.3		2.6			10.1							
			5.2		1.8		13.5	9.8							
			10.4		1.7			10.2							
9	11	0520	0.1		15.0			9.1							
	May		0.9		15.0			9.4							
	70		1.8		14.5			9.3							

Table 61 (Continued). DIURNAL PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS OF GRASSY BAY IN JAMAICA BAY (Stations 9 and 14)

Station	Date	Time	Depth, m	Secchi disc, m	Temperature, °C	pH	Chlorosity, g/l	Dissolved oxygen mg/l	% sat.	BOD, mg/l	Total nonvolatilized, mg/l	NH_3-N, mg/l	NO_3-N, mg/l	P, mg/l	Total solids, mg/l
			4.3		14.0		12.8	3.8							
			8.5		12.5			0.5							
		0752	0.1		15.0			13.6							
			0.9		15.0			14.7							
			1.8		14.5			14.2							
			4.3		14.0		13.1	7.2							
			8.8		12.0			1.0							
		1433	0.1	0.8	17.8			16.8							
			0.9		17.0			16.1							
			1.8		16.5			13.8							
			5.2		14.0		13.1	8.2							
			10.4		12.0			2.9							
		2158	0.1		17.0			8.2							
			0.9		17.0			4.1							
			1.8		16.0			3.9							
			4.9		13.5		13.2	2.3							
			9.7		12.0			0.7							
			0.1		15.5			8.1							
			0.9		15.0			8.2							
			1.8		14.0			7.9							
			4.3		11.0		13.1	6.6							
			8.2		12.0			4.0							
		0738	0.1	0.8	16.0										
			0.9		16.0										
			1.8		15.0										
			4.3		14.0		12.9								
			8.5		12.0										
		1416	0.1		17.2			8.3							
			0.9		17.8			8.3							

Table 61 (Continued). DIURNAL PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS OF GRASSY BAY IN JAMAICA BAY (Stations 9 and 14)

Station	Date	Time	Depth, m	Secchi disc, m	Temperature, °C	pH	Chlorosity, g/l	Dissolved oxygen mg/l	Dissolved oxygen % sat.	Total uroxidized BOD, mg/l	Total uroxidized dized N, mg/l	NH$_3$-N, mg/l	NO$_3$-N, mg/l	P, mg/l	Total soluble P, mg/l
			1.8		16.5			8.1							
			4.9		14.7		13.1	5.6							
			9.7		12.8			2.8							
		2210	0.1		16.5			6.8							
			0.9		16.8			7.2							
			1.8		16.0			6.5							
			4.6		15.0		13.2	5.6							
			9.1		12.0			1.6							

APPENDIX F

SEDIMENT QUALITY DATA OF JAMAICA BAY

Table 62. TEMPERATURE OF SEDIMENTS OF JAMAICA BAY

(°C)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	-1.000	-1.000	15.000	15.000	17.000
10/23/68	-1.000	-1.000	-1.000	15.100	15.400
12/11/68	-1.000	-1.000	-1.000	2.800	1.100
2/6/69	2.000	-1.000	3.000	1.000	.500
3/20/69	-1.000	-1.000	4.000	4.000	4.500
4/29/69	6.100	-1.000	9.800	12.900	12.600
6/18/69	18.500	18.500	-1.000	19.900	21.000
08/11/69	18.000	19.000	22.000	23.000	24.500
10/29/69	9.200	-1.000	12.100	12.100	12.100
12/15/69	6.000	-1.000	7.500	6.500	-1.000
02/10/70	-1.000	-1.000	-1.000	2.000	1.000
04/22/70	7.000	7.000	8.000	7.000	9.500
06/23/70	15.400	-1.000	-1.000	18.400	-1.000
08/24/70	20.000	22.000	22.000	23.000	22.500

Table 62 (Continued). TEMPERATURE OF SEDIMENTS OF JAMAICA BAY

(°C)

DATE MO/DY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	17.000	18.000	17.000	18.000	17.000
10/23/68	15.400	16.000	16.000	16.100	15.700
12/11/68	1.000	4.500	1.200	4.800	3.100
2/9/69	.000	.200	.400	1.000	.500
3/20/69	4.500	3.900	4.700	3.000	4.500
4/29/69	13.400	12.000	14.000	10.200	11.500
6/18/69	21.700	20.200	21.200	19.800	21.200
08/11/69	25.300	23.500	25.000	21.800	24.300
10/29/69	11.500	12.300	12.200	11.900	10.000
12/15/69	5.800	6.800	6.200	-1.000	6.000
02/12/70	1.000	2.000	2.000	2.000	2.000
04/22/70	10.000	8.000	8.000	9.500	10.500
06/23/70	20.000	-1.000	21.000	27.000	19.700
08/24/70	23.500	23.000	22.500	23.000	23.500

Table 62 (Continued). TEMPERATURE OF SEDIMENTS OF JAMAICA BAY

(°C)

DATE MO/DY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	16.500	16.000	18.000	18.000	17.400
10/23/68	16.000	16.500	16.000	16.500	15.800
12/11/68	2.700	2.800	2.800	-1.000	2.200
2/6/69	1.000	1.000	1.000	1.000	.000
3/20/69	3.500	3.800	4.800	4.800	5.000
4/29/69	12.800	12.800	14.000	13.000	14.800
6/18/69	21.200	21.900	21.900	21.800	21.900
08/11/69	25.000	25.200	25.300	24.700	25.000
10/29/69	11.000	12.000	12.000	11.900	13.000
12/15/69	7.000	5.500	6.000	-1.000	6.000
02/12/70	2.000	2.000	2.000	2.000	2.000
04/22/70	10.500	9.500	9.500	9.500	11.500
06/23/70	20.400	-1.000	20.500	-1.000	22.400
08/24/70	23.800	24.000	23.800	23.500	23.000

Table 63. BIOCHEMICAL OXYGEN DEMAND OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DA/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/[illegible]/68	.250	.200	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	.205	.580
12/11/68	.710	.730	.130	.320	.210
2/6/69	.200	-1.000	.190	.520	.600
3/20/69	-1.000	-1.000	.480	.540	1.200
4/29/69	.300	-1.000	.092	.170	1.000
6/18/69	.126	.260	.145	.131	1.640
08/11/69	.645	.330	.040	.230	1.140
10/29/69	.357	.585	.066	.108	1.670
12/15/69	.152	-1.000	.125	.193	1.070
02/12/70	-1.000	-1.000	-1.000	.124	1.090
04/22/70	.150	1.940	.160	.380	.750
06/23/70	.240	-1.000	1.430	.240	1.600
08/24/70	.320	-1.000	.420	.120	.830

Table 63 (Continued). BIOCHEMICAL OXYGEN DEMAND OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE mo/DAY/Yr	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	.133	5.320	5.270	5.220	.520
12/11/68	.380	20.500	.620	9.400	4.300
2/6/69	.320	19.500	.650	4.620	2.700
3/20/69	.080	12.900	-1.000	6.800	3.500
4/29/69	.110	13.200	2.100	16.100	2.100
6/19/69	10.600	4.160	-1.000	3.770	1.240
08/11/69	.141	19.300	3.500	3.700	2.100
10/29/69	.998	16.500	6.230	5.930	1.870
12/15/69	.162	12.100	8.670	15.400	.736
02/12/70	.132	4.380	4.620	12.000	.784
04/22/70	.320	11.500	2.560	2.460	.370
06/23/70	.180	20.200	3.240	9.950	.970
08/24/70	.580	16.100	-1.000	4.000	.780

Table 63 (Continued). BIOCHEMICAL OXYGEN DEMAND OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	.920	1.027	1.590	3.705	.515
12/11/68	.730	.780	.670	4.800	-1.000
2/6/69	1.800	.780	.260	6.200	.460
3/20/69	1.260	.390	.160	1.480	.340
4/29/69	1.790	2.600	.580	4.200	.640
6/18/69	1.520	.600	-1.000	6.000	-1.000
08/11/69	1.580	.675	.361	15.600	5.400
10/29/69	1.720	.702	.577	5.120	.435
12/15/69	.918	.448	.338	9.870	.405
02/12/70	1.450	.685	1.170	7.360	.636
04/22/70	2.320	1.770	.840	.880	.490
06/23/70	1.350	.360	1.210	3.580	1.990
08/24/70	1.440	2.600	.750	8.460	.790

Table 64. DRY SOLIDS FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	58.700	93.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	78.200	67.000
12/11/68	65.100	55.900	70.300	77.300	77.700
2/5/69	74.100	-1.000	75.300	77.400	67.100
3/20/69	-1.000	-1.000	53.400	81.000	59.000
4/29/69	71.100	-1.000	74.800	77.400	65.200
6/18/69	74.500	82.700	75.100	70.200	52.200
08/11/69	73.300	67.800	74.100	76.300	67.300
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	71.300	-1.000	74.600	74.200	67.700
02/12/70	-1.000	-1.000	-1.000	77.800	66.700
04/22/70	79.300	75.700	69.100	-1.000	73.600
06/23/70	76.100	-1.000	69.100	76.000	68.500
08/24/70	68.800	-1.000	72.100	76.900	74.400

Table 64 (Continued). DRY SOLIDS FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 5	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	75.900	29.900	31.200	28.600	78.800
12/11/68	72.200	19.400	65.700	25.800	49.100
2/6/69	74.100	17.500	67.600	27.900	39.800
3/20/69	75.200	22.700	15.100	25.500	59.700
4/29/69	75.200	21.000	56.300	18.400	40.400
6/18/69	86.500	27.200	56.700	25.500	67.100
08/11/69	74.800	21.200	50.000	23.600	70.900
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	75.600	29.100	35.300	18.000	70.200
02/12/70	74.500	42.800	40.700	22.200	79.700
04/22/70	74.000	23.000	44.000	48.000	75.400
06/23/70	75.000	24.000	55.000	23.000	70.000
08/24/70	69.000	18.300	-1.000	26.200	70.500

Table 64 (Continued). DRY SOLIDS FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	61.000	65.600	55.400	32.000	80.500
12/11/68	65.700	70.400	73.300	37.400	-1.000
2/6/69	61.000	72.300	77.000	31.900	75.500
3/20/69	60.700	69.300	71.000	53.700	75.700
4/29/69	54.200	53.500	74.100	40.500	70.600
6/18/69	70.000	71.800	68.500	32.200	71.200
08/11/69	62.500	70.500	73.500	26.100	67.800
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	68.400	76.000	77.500	26.700	74.300
02/12/70	71.400	73.300	69.900	33.100	77.400
04/22/70	27.300	67.400	71.000	25.700	85.000
06/23/70	68.000	74.000	73.800	46.000	66.000
08/24/70	66.000	55.300	72.500	26.000	72.700

Table 65. SAND FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	62.000	79.000
12/11/68	93.000	70.000	80.000	81.000	90.000
2/6/69	84.000	-1.000	85.000	92.000	82.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	-1.000	-1.000	-1.000	-1.000	-1.000
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 65 (Continued). SAND FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	76.000	67.000	57.000	56.000	88.000
12/11/68	89.000	.000	93.000	.000	70.000
2/6/69	90.000	22.000	89.000	41.000	53.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/13/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	-1.000	-1.000	-1.000	-1.000	-1.000
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 65 (Continued). SAND FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	88.000	84.000	86.000	41.000	92.000
12/11/68	86.000	82.000	88.000	27.000	84.000
2/6/69	80.000	80.000	78.000	34.000	90.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	-1.000	-1.000	-1.000	-1.000	-1.000
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 66. SILT FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	29.000	13.000
12/11/68	7.000	25.000	8.000	11.000	10.000
2/6/69	11.000	-1.000	15.000	8.000	13.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/16/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	-1.000	-1.000	-1.000	-1.000	-1.000
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 66 (Continued). SILT FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	19.000	11.000	15.000	8.000	7.000
12/11/68	7.000	42.000	3.000	14.000	12.000
2/6/69	9.000	20.000	5.000	28.000	16.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	-1.000	-1.000	-1.000	-1.000	-1.000
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 66 (Continued). SILT FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	-1.000	-1.000	-1.000	-1.000	1.000
10/23/68	10.000	11.000	10.000	23.000	4.000
12/11/68	6.000	8.000	5.000	32.000	2.000
2/6/69	12.000	17.000	20.000	37.000	7.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	-1.000	-1.000	-1.000	-1.000	-1.000
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 67. CLAY FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/6/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	9.000	8.000
12/11/68	.000	5.000	12.000	8.000	.000
2/6/69	5.000	-1.000	.000	.000	5.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	-1.000	-1.000	-1.000	-1.000	-1.000
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 67 (Continued). CLAY FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	5.000	22.000	28.000	36.000	5.000
12/11/68	4.000	58.000	4.000	86.000	18.000
2/6/69	1.000	58.000	6.000	31.000	31.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	-1.000	-1.000	-1.000	-1.000	-1.000
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 67 (Continued). CLAY FRACTION OF SEDIMENTS OF JAMAICA BAY

(percent)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	2.000	5.000	4.000	36.000	4.000
12/11/68	8.000	10.000	7.000	41.000	14.000
2/6/69	8.000	3.000	2.000	29.000	3.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	-1.000	-1.000	-1.000	-1.000	-1.000
10/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 68. KJELDAHL NITROGEN OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	.200	.350
12/11/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/6/69	.280	-1.000	.250	.190	.500
3/20/69	-1.000	-1.000	.160	.160	.930
4/29/69	.400	-1.000	.140	.240	.930
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	.420	.220	.090	.120	.640
10/29/69	.220	.330	.090	.090	.890
12/15/69	.300	-1.000	.200	.200	.600
02/12/70	-1.000	-1.000	-1.000	.100	.700
04/22/70	.050	.370	.400	.200	-1.000
06/23/70	.200	-1.000	.250	.100	.470
08/24/70	.469	-1.000	.170	.110	.270

Table 68 (Continued). KJELDAHL NITROGEN OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	.330	4.400	1.990	3.900	.230
12/11/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/6/69	.180	5.600	.790	2.700	3.600
3/20/69	.140	4.150	6.250	3.740	1.240
4/29/69	.200	5.200	1.320	4.500	3.600
5/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	.100	4.200	2.100	3.250	.290
10/29/69	.322	2.610	-1.000	3.420	.520
12/15/69	.100	3.200	3.100	2.000	.520
02/12/70	.100	2.000	1.500	-1.000	.200
04/22/70	.140	3.700	1.200	1.400	.210
06/23/70	.100	3.900	1.400	1.000	.300
08/24/70	.370	5.290	-1.000	3.680	.440

Table 68 (Continued). KJELDAHL NITROGEN OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	.640	.610	1.400	.590	1.000
12/11/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/6/69	1.000	.710	.240	5.000	.450
3/20/69	.990	.600	.280	1.480	.400
4/29/69	1.200	1.800	.560	3.100	.520
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	.730	.400	.210	5.060	.047
10/29/69	.720	.170	.200	-1.000	.350
12/15/69	.400	.100	.200	2.000	.250
02/12/70	.600	.300	.640	4.100	.400
04/22/70	.380	.570	.990	4.650	.350
06/23/70	.460	.060	.260	2.000	.400
08/24/70	.560	1.320	.320	4.880	.390

Table 69. HEXANE EXTRACTABLE MATERIALS OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	.000	.330
12/11/68	.160	.095	.105	.030	.056
2/6/69	.050	-1.000	.020	.110	.150
3/20/69	-1.000	-1.000	.000	.020	.340
4/29/69	.100	-1.000	.011	.035	.515
6/18/69	.010	.025	.055	.080	.605
08/11/69	.110	.080	.035	.035	.100
10/29/69	.020	.150	.030	.050	.220
12/15/69	.140	-1.000	.120	.150	.300
02/12/70	-1.000	-1.000	-1.000	.040	.360
04/22/70	.040	.090	1.320	.110	.220
06/23/70	.100	-1.000	.200	.210	.300
08/24/70	-1.000	-1.000	.200	.100	.100

Table 69 (Continued). HEXANE EXTRACTABLE MATERIALS OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/63	-1.000	-1.000	-1.000	-1.000	-3.000
10/23/68	.010	4.720	2.720	2.510	.100
12/11/68	.057	-1.000	.250	-1.000	.165
2/6/69	.070	-1.000	.260	-1.000	2.370
3/20/69	.020	3.670	2.130	3.480	.870
4/29/69	-1.000	4.490	.250	-1.000	2.930
6/18/69	.045	.945	.260	.240	.140
08/11/69	.115	.640	2.030	1.580	.204
10/29/69	.030	2.610	2.130	3.410	.320
12/15/69	.100	.590	1.460	3.660	.060
02/12/70	.050	1.150	1.200	4.090	.120
04/22/70	.050	1.110	.050	.930	.120
06/23/70	.100	.100	1.100	3.300	.200
08/24/70	.100	3.400	-1.000	2.400	.100

Table 69 (Continued). HEXANE EXTRACTABLE MATERIALS OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	.220	.550	.530	5.000	.080
12/11/68	.350	.210	.225	2.340	.170
2/6/69	.460	.640	.100	-1.000	.200
3/20/69	.400	.080	.210	.280	.080
4/29/69	.555	1.650	.150	2.650	.120
6/18/69	.345	.180	.380	2.320	.125
08/11/69	.365	.390	.035	6.400	.047
10/29/69	.460	.090	.010	3.520	.060
12/15/69	.130	.090	.050	3.410	.120
02/12/70	.350	.350	.320	4.870	.180
04/22/70	.310	.360	-1.000	8.190	.480
06/23/70	.300	.100	.200	1.900	.300
08/24/70	.200	.500	.300	4.400	-1.000

Table 70. TOTAL SULFIDE OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	.000	.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	.000	.183
12/11/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/6/69	-1.000	-1.000	-1.000	-1.000	-1.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	.004	.008	.014	.024	.718
08/11/69	.006	-1.000	.000	.033	.271
10/29/69	.202	1.410	.156	.061	8.790
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 70 (Continued). TOTAL SULFIDE OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	.000	2.260	2.180	3.720	.735
12/11/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/6/69	-1.000	-1.000	-1.000	-1.000	-1.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	.022	5.530	.675	3.160	.430
08/11/69	.005	.432	1.180	1.590	.151
10/29/69	5.730	20.600	3.360	20.000	5.120
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	-1.000	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 70 (Continued). TOTAL SULFIDE OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	.800	.132	.635	1.970	.074
12/11/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/6/69	-1.000	-1.000	-1.000	-1.000	-1.000
3/20/69	-1.000	-1.000	-1.000	-1.000	-1.000
4/29/69	-1.000	-1.000	-1.000	-1.000	-1.000
6/18/69	.519	.236	.677	2.850	.166
08/11/69	.527	.323	.054	2.830	.022
10/29/69	4.860	3.040	4.020	46.900	3.820
12/15/69	-1.000	-1.000	-1.000	-1.000	-1.000
02/12/70	-1.000	-1.000	-1.000	-1.000	-1.000
04/22/70	-1.000	-1.000	.280	-1.000	-1.000
06/23/70	-1.000	-1.000	-1.000	-1.000	-1.000
08/24/70	-1.000	-1.000	-1.000	-1.000	-1.000

Table 71. TOTAL PHOSPHATE OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	-1.000	-1.000
12/11/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/6/69	.025	-1.000	.030	.013	.057
3/20/69	-1.000	-1.000	.013	.008	.050
4/29/69	.022	-1.000	.015	.025	.030
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	.440	.190	.110	.062	.300
10/29/69	.220	.110	.120	.095	.480
12/15/69	.430	-1.000	.200	.140	.470
02/12/70	-1.000	-1.000	-1.000	.120	.390
04/22/70	.350	.460	.170	.270	.260
06/23/70	.372	.450	.235	.120	.340
08/24/70	.313	-1.000	.114	.078	.104

Table 71 (Continued). TOTAL PHOSPHATE OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	-1.000	-1.000
12/11/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/6/69	.042	.065	.035	.020	.040
3/20/69	.010	.060	.090	.010	.018
4/29/69	.025	.110	.040	.070	.128
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	.085	1.300	.360	.700	.250
10/29/69	.160	1.530	.630	.240	.300
12/15/69	.180	1.600	.600	.520	.310
02/12/70	.130	1.300	.480	.610	.240
04/22/70	.150	1.330	.480	.480	.270
06/23/70	.150	.950	.313	.652	.303
08/24/70	.156	1.290	-1.000	.538	.319

Table 71 (Continued). TOTAL PHOSPHATE OF SEDIMENTS OF JAMAICA BAY

(mg/g)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/8/68	-1.000	-1.000	-1.000	-1.000	-1.000
10/23/68	-1.000	-1.000	-1.000	-1.000	-1.000
12/11/68	-1.000	-1.000	-1.000	-1.000	-1.000
2/6/69	.042	.012	.006	.019	.045
3/20/69	.020	.060	.012	.009	.037
4/29/69	.047	.019	.008	.008	.055
6/18/69	-1.000	-1.000	-1.000	-1.000	-1.000
08/11/69	.270	.300	.140	1.000	.230
10/29/69	.230	.300	.200	-1.000	.200
12/15/69	.340	.320	.150	.210	.300
02/12/70	.360	.300	.320	.810	.200
04/22/70	.360	.330	.480	1.200	.350
06/23/70	.443	.220	.230	.450	.326
08/24/70	.287	.554	.143	.782	.104

Table 72. BENTHIC BIOMASS OF SEDIMENTS OF JAMAICA BAY

(10^3 org/m^2)

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/3/68	14.5	1.05	.0	.220	.421
12/10/68	.440	1.59	.096	.086	1.73
2/6/69	.708	1.83	.889	4.90	1.70
3/20/69	.0	.0	.316	.239	.210
4/29/69	.918	1.90	3.46	1.95	2.80
6/18/69	.166	56.8	.0	1.69	1.03
8/11/69	.102	25.9	.564	18.0	7.30
10/29/69	.268	14.6	2.39	19.1	18.2
12/15/69	.077	23.6	1.52	1.71	2.75
2/12/70	.0	.0	.0	2.24	1.58
4/22/70	.019	6.46	.191	4.89	.892
6/23/70	.057	2.33	.344	.711	2.13
8/24/70	.057	2.19	1.87	.612	10.6

Table 72 (Continued). BENTHIC BIOMASS OF SEDIMENTS OF JAMAICA BAY

(10^3 org/m^2)

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/3/68	3.52	.325	.421	17.9	.268
12/10/68	3.89	.077	1.17	.115	1.85
2/6/69	1.63	.115	2.28	.0	.784
3/20/69	.555	.077	.363	.010	.402
4/29/69	.727	.0	1.15	9.08	1.19
6/18/69	.153	.010	12.9	.0	2.64
8/11/69	.736	.0	1.96	.134	10.6
10/29/69	.966	2.91	17.6	2.07	24.1
12/15/69	5.54	1.41	1.23	.038	13.7
2/12/70	.440	.287	.593	.0	7.88
4/22/70	2.01	.010	.204	.0	.140
6/23/70	1.20	.0	1.31	.0	.765
8/24/70	1.76	.010	.115	.0	7.34

Table 72 (Continued). BENTHIC BIOMASS OF SEDIMENTS OF JAMAICA BAY

(10^3 org/m^2)

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/3/68	.841	10.1	.019	.115	.225
12/10/68	1.89	2.12	1.01	.229	2.72
2/6/69	4.00	2.72	.029	.134	5.96
3/20/69	1.31	11.9	2.52	.306	1.04
4/29/69	.411	.057	.182	.010	.392
6/18/69	.755	1.25	.727	9.52	8.73
8/11/69	18.3	31.5	21.1	3.71	7.01
10/29/69	.0	.048	8.69	15.9	.402
12/15/69	3.45	46.6	9.55	.459	7.28
2/12/70	1.18	3.14	3.08	.0	1.39
4/22/70	2.85	32.7	4.60	.0	3.65
6/23/70	3.40	10.9	19.2	.191	.210
8/24/70	24.0	1.07	.720	.057	5.42

Table 73. BENTHOS DIVERSITY INDEX OF SEDIMENTS OF JAMAICA BAY

DATE MO/DAY/YR	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5
10/3/68	.059	1.96	.000	.489	1.03
12/10/68	.076	1.02	1.33	.349	2.00
2/6/69	1.67	.870	2.08	1.41	1.52
3/20/69	.000	.000	1.26	.861	1.58
4/29/69	1.09	.543	1.79	.031	.775
6/18/69	1.93	.159	.000	.611	.548
8/11/69	1.77	.963	.086	1.02	1.10
10/29/69	1.76	.581	1.75	.758	.670
12/15/69	.983	.417	1.37	1.27	1.62
2/12/70	.000	.000	.000	1.56	1.96
4/22/70	.562	1.44	1.88	1.25	1.86
6/23/70	1.66	.904	1.34	1.41	1.29
8/24/70	1.12	1.08	1.41	1.62	.670

Table 73 (Continued). BENTHOS DIVERSITY INDEX OF SEDIMENTS OF JAMAICA BAY

DATE MO/DAY/YR	STATION 6	STATION 7	STATION 8	STATION 9	STATION 10
10/3/68	.923	.578	1.22	.652	1.20
12/10/68	.069	.000	1.04	.451	.666
2/6/69	1.000	.637	1.47	.000	1.22
3/20/69	.911	.736	1.26	.000	.899
4/29/69	1.25	.000	.719	.325	1.79
6/18/69	1.33	.000	.982	.000	1.07
8/11/69	.421	.000	1.65	.000	1.29
10/29/69	1.76	.833	.764	1.42	.118
12/15/69	2.01	2.06	1.34	.000	1.22
2/12/70	1.47	1.40	1.42	.000	1.86
4/22/70	1.65	.000	1.52	.000	2.02
6/23/70	.648	.000	.397	.000	1.47
8/24/70	1.80	.000	.287	.000	1.30

Table 73 (Continued). BENTHOS DIVERSITY INDEX OF SEDIMENTS OF JAMAICA BAY

DATE MO/DAY/YR	STATION 11	STATION 12	STATION 13	STATION 14	STATION 15
10/3/68	1.80	1.46	.000	.637	.409
12/10/68	1.04	1.28	1.79	.721	1.07
2/6/69	1.07	.910	1.10	1.28	.321
3/20/69	1.18	1.08	.986	.615	.941
4/29/69	1.70	1.01	.537	.000	1.21
6/18/69	1.37	1.19	.988	.043	1.03
8/11/69	1.71	1.70	.944	.045	1.48
10/29/69	.000	1.61	.263	.690	1.85
12/15/69	.424	1.25	1.59	1.21	1.71
2/12/70	1.63	.988	1.54	.000	1.68
4/22/70	1.86	1.98	.915	.000	1.70
6/23/70	1.36	1.16	.665	.500	1.59
8/24/70	.195	2.01	1.34	.451	1.01